

Ohmite

Component Selector...ONE STANDARD OF EXCELLENCE



CATALOG 300H

JANUARY 1981 / SUPERSEDES CATALOG 300G

OVER 50 YEARS OF QUALITY, SERVICE AND DEPENDABILITY

RESISTORS

VARIABLE TRANSFORMERS

SOLID STATE CONTROLS

RHEOSTATS

SWITCHES

CHOKES

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ORDERING INFORMATION

For your convenience, we recommend that you place your orders with your local authorized OHMITE stocking distributor for standard OHMITE components listed in this catalog. Authorized OHMITE distributors stock factory-fresh OHMITE components in-depth and therefore are able to offer same-day or overnight service.

QUICK-DELIVERY COMPONENTS (Bold Print Cat. No.)

You are assured of immediate delivery of those items listed in this catalog that appear in **bold print**. **Bold** listings indicate that these items have, over the years, become the most popular components on a national basis.

Items appearing in light face are available from authorized OHMITE distributors but normally are not stocked in-depth because they are not as popular as **bold print** items.

Items appearing in parentheses are non-stock standard items and are subject to a minimum handling charge per item.

STANDARD PACKAGES

Most products are packaged in multiple packs. Orders for less-than-standard quantities will be automatically increased to the next standard package. Consult price schedule for standard package information.

FACTORY TERMS

Standard payment terms for components ordered from the factory by firms with established credit is 1%, 25th, net 30 days. F.O.B. plant of manufacture. No freight allowed.

WARRANTY

Specific written permission to return goods must be obtained from your local OHMITE sales office. No warrants expressed or implied other than those published in Ohmite Policies.

Alphabetical & Numerical Product Locator

Catalog No.	Page	Description
AFR101M-AFR505M	28	Single Turn Trimmer— $\frac{1}{4}$ W.
BNP100K-BNP105K	28	15-Turn Trimmer— $\frac{1}{2}$ W.
AS3601-AS3684	27	Type AS Locking Pot.
ASM6661-ASM6676	27	Type AS $\frac{7}{8}$ " Shaft Pot.
CA1041-CA5041	27	Type AB Potentiometer
CB1031-CB5031	27	Type AB Potentiometer
CAB2-CAB48	22	Little Devil® Assortments
CAB5F-CAB44F	19	Little Rebel® Assortments
CAB91-CAB99	10	Type 995 Assortments
CCU1031-CCU5041	27	Type AB Pot. Dual
CU1011-CLU7542	27	Type AB Pot. Locking
CMU1011-CMU7542	27	Single Unit $\frac{7}{8}$ " Shaft
CU1011-CU7542	27	Single Unit 2" Shaft
DOXXXX	32-33	Relays
D101-52 to D251-600	17	Dummy Antenna
F101-F532	14	Type 250 Resistor
GPRXXXX	31-33	GPR Relays
LO101-LO123	24	Model E Rheo, Lock'g Shaft
LO140-LO162	25	Model H Rheo, Lock'g Shaft
L4190-L4193	24	Model E Rheo, Lock'g Shaft
L4200-L4204	25	Model H Rheo, Lock'g Shaft
OMC-7111	28	Meter Saver
OB27G1-OB9155	20	Little Devil® Resistors, $\frac{1}{8}$ W.
OC27G1-OC9155	20	Little Devil® Resistors, $\frac{1}{4}$ W.
OE10G1-OE9155	21	Little Devil® Resistors, $\frac{1}{2}$ W.
OG27G1-OE9155	21	Little Devil® Resistors, 1 W.
OH1001-OH9155	21	Little Devil® Resistors, 2 W.
OJ1005-OJ9135	18	Little Rebel® Carb. Film, $\frac{1}{8}$ W.
OK10G5-OK9145	18	Little Rebel® Carb. Film, $\frac{1}{4}$ W.
OL10G5-OL9145	18	Little Rebel® Carb. Film, $\frac{1}{2}$ W.
PCA10G5-PCA1121	37	Ohmitrol® Power Controls
PCD1000-PCD1121	37	Ohmitrol® Power Controls
P-300	17	Parasitic Suppressor
SOGPR	31	Relay Sockets
SRC65-SRC500	26	Heat Control Rheostat
T503-T10012-S	30	Ceramic Tap Switch
VTXXX	34-36	Ohmitran® V.T.
WO101-W0123	24	Model "E" Rheostat, Encl.
W4190-W4193	24	Model "E" Rheostat, Encl.
Z7 to Z460	17	Chokes
5 to 18S	15	Mounting Brackets
22 (Series)	6	Axial Lead, Conformal Vitreous Enamel Resistor
44 (Series)	8	Axial Lead, Conformal Silicone Ceramic Resistor
89 (Series)	9	METAL-MITE® Aluminum Housed Resistor
080 (Type)	16	Edgewound Powr-Rib® Resistor
082 (Type)	16	Round Wire Powr-Rib® Resistor
200 (Type)	11	Brown Devil® Fixed Resistor
210 (Type)	13	Dividohm® Adjustable Power Tubular Lug Resistor
230 (Type)	16	Corrib® Adjustable Power Tubular Lug Resistor
250 (Type)	14	"Thin" Vitreous Enamel Resistor
270 (Type)	12	Power Tubular Lug, Vitreous Enamel Resistor
280 (Type)	16	Corrib® Fixed Power Tubular Lug Resistor
884 (Type)	7	Axial Lead, Riteohm® Molded Silicone Ceramic Resistor
995 (Type)	5	Axial Lead, Molded Vitreous Enamel Resistor
0101-0123	24	Model "E" Rheostats
0140-1062	25	Model "H" Rheostats
0200-0229	12	Type 270 Resistors, 25 W.
0308-0332	25	Model "J" Rheostats
0360-0389	13	Type 210 Resistor, 25 Watt
0400-0428	12	Type 270 Resistor, 50 W.
0440-0463	25	Model "K" Rheostat
0524-0549	25	Model "L" Rheostat
0560-0591	13	Type 210 Resistor, 50 Watt
0600-0625	12	Type 270 Resistor, 100 W.
0650-0671	25	Model "N" Rheostat
0700-0725	12	Type 270 Resistor, 175 W.
0769-0796	13	Type 210 Resistor, 75 Watt
0849-0872	25	Model "R" Rheostat
0900-0925	12	Type 270 Resistor, 225 W.
0956-0973	13	Type 210 Resistor, 100 W.
1001-1040	3	Type 210 Resistor, 12 W.
1058	13	Adj. Lug—Type 210
1100-1123	25	Model "G" Rheostat

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111-XXX	29	Model 111 Tap Switch
1156-1173	13	Type 210 Resistor, 175 W.
1250-1271	25	Model "P" Rheostat
1300-1323	25	Model "T" Rheostat
1356-1373	13	Type 210 Resistor, 225 W.
1450-1473	25	Model "U" Rheostat
1500-1557	11	Type 200 Resistor, 8 W.
1700-1772	11	Type 200 Resistor, 12 W.
1800-1860	11	Type 200 Resistor, 20 W.
1974	16	Adjustable Lugs—Corrib®
20J1RO-20J50K	6	Series 22 Resistor, 10 Watt
2001-2018	15	Type 270N, 50 W.
2050-2081	15	Type 270N, 12 W.
21J1RO-21J3K0	6	Series 22 Resistor, 1 Watt
212-3 to 212-12-T3	29	Model 212 Tap Switch
2115-2171	13	Adjustable Lugs—Type 210
2172-2176	16	Extra Term. Powr-Rib®
22J1RO-22J3K0	6	Series 22 Resistor, 2 Watt
2201-2218	15	Type 270N, 100 W.
23J1RO-23J10K	6	Series 22 Resistor, 3 Watt
2301-2342	16	Type 080-5 and 082-5, Powr-Rib®
2401-2418	15	Type 270N, 175 W.
25J1RO-25J25K	6	Series 22 Resistor, 5 Watt
2501-2544	16	Type 280 Corrib®
2601-2624	16	Type 230 Corrib®
2712-2808	11	Type 200 Resistor, 3 W.
2822-2925	11	Type 200 Resistor, $\frac{5}{4}$ W.
3001-3004	26	"T" Pad Attenuator, 25 W.
3101-3104	26	"T" Pad Attenuators, 50 W.
312-3 to 312-12-T3	29	Model 312 Tap Switches
3201-3204	26	"L" Pad Attenuators, 25 W.
3301-3304	26	"L" Pad Attenuators, 50 W.
3405-3410	38	Determ-Ohm® Box
3420	38	Ohm-Ranger®
3430	38	Cap-Ranger™
3723-3843	12	Type 270, 12 W.
3860-3969	5	Style 995-2A, $2\frac{1}{4}$ W.
40FR10-40F50K	8	Series 44 Resistor, 10 Watt
4030-4119	5	Style 995-1A, $1\frac{1}{2}$ W.
41F1RO-41F1K0	8	Series 44 Resistor, 1 Watt
412-3 to 412-12-T3	30	Model 412 Tap Switch
4120-4135	5	Style 995-1A, $1\frac{1}{2}$ W.
4190-4193	24	Model "E" Rheostat
4200-4204	25	Model "H" Rheostat
4210-4215	25	Model "J" Rheostat
43FR10-43F10K	8	Series 44 Resistor, 3 Watt
4330-4454	5	Style 995-3A, $3\frac{1}{4}$ W.
45FR10-45F25K	8	Series 44 Resistor, 5 Watt
4530-4664	5	Style 995-5B, 5 W.
4730-4874	5	Style 995-10A, 11 W.
4908-4925	24	Model "C" Std. Shaft
4948-4965	24	Model "C" Lock. Shaft
5000-5001	26	Rheostat Dials
5002-5004	30	Tap Switch Dials
5005-5006	35-36	V.T. Dials
5007	26	Rheostat Dials
5008-5010	35-36	V.T. Dials
5011-5019	35-36	V.T. Dials
5102-5152	26	Bakelite Knobs
5155-5158	35-36	V.T. Knobs
5180-5182	10	Ohm's Law Calculator
5190	20	Little Devil® Color Coder
5800-5897	4	PC-58 Radial Lead Resistor
5900-5909	10	Clips for Types 995 and 884
6000-6017	15	Centering and Mica Insulating Washers
608-3 to 608-8-T3	30	Model 608 Tap Switch
6101-2 to 6120-K-4	15	Thru-Bolt Type Brackets
6126P8 $\frac{1}{2}$ to 6129P8 $\frac{1}{2}$	16	Thru-Bolt Type Brackets
6507-6519	35-36	V.T. Brush Contact Assm.
6532-6533	26	Rheostat Tandem Kits
6536-6538	35-36	V.T. Adjustable Stop
6591	26	Rheostat Tandem Kit
6594-6596	35-36	V.T. Brush Contact Assm.
7PA5-7PA200	15	Thru-Bolts
7070-7074	26	Rheostat Repair Kits
7090-7091	26	Mounting Hardware
711-3 to 711-11-T3	29	Model 711 Tap Switch
80013-85260	7	Type 884 Riteohm® Resistor
805F1RO-805F20K	9	Series 89 Resistor, 5 Watt
810F1RO-810F25K	9	Series 89 Resistor, 10 Watt
825F1RO-835F75K	9	Series 89 Resistor, 25 Watt
850F1RO-850F100K	9	Series 89 Resistor, 50 Watt

OHMITE® radial lead resistors for P.C. boards

CLASS PC-58

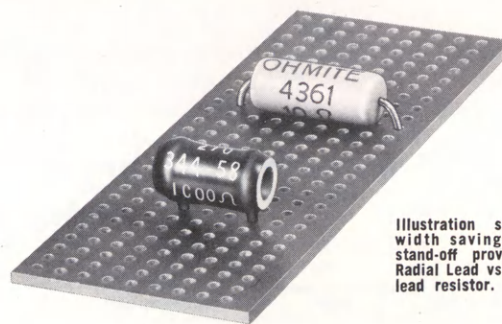
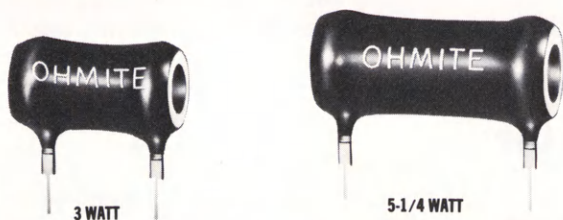


Illustration showing overall width savings and built-in stand-off provided by PC-58 Radial Lead vs. a typical axial lead resistor.

ADVANTAGES:

LABOR SAVING: Radial Leads eliminate cutting, bending, and forming of leads. Productivity is increased 28.1%. You achieve a 21.9% savings in labor cost.

SPACE SAVING: Radial leads reduce total length dimension required compared to axial lead types, increases packaging density possibilities.

POSITIVE POSITIONING: Built in stand-off automatically provides correct spacing between resistor and P.C. board.

COST SAVING: PC-58 resistors are priced lower than comparable axial lead types. This is in addition to savings in labor as explained above.

STANDARD SIZE: PC-58 Radial Leads fit standard .1 inch matrix boards with standard .046 inch diameter holes.

MARKINGS ALWAYS VISIBLE: Value and Ohmite code markings are always visible from the top of the PC-58. Eliminates time consuming orientation normally required of axial lead types.

CHOICE OF COATINGS: PC-58 resistors are available in $\pm 5\%$ tolerance with Vitreous Enamel (Type 270) for resistance values to 3020 ohms for 3-watt and to 6800 ohms for 5¼-watt or Ohmicone® silicone-ceramic (Type 470) for values over 3020 ohms and 6800 ohms for 3 and 5¼-watt sizes, respectively. For tolerances of $\pm 3\%$ and closer or for low T.C., specify Ohmicone® Type 474.

AVAILABILITY: Now standard PC-58 resistors are in stock at your local Ohmite authorized stocking distributor.

SPECIFICATIONS:

MECHANICAL

Coating: Vitreous Enamel or Ohmicone® (silicone-ceramic), depending on Type.

Terminals: Radial, solder-dipped.

Markings: Ohmite Code and Resistance (Ohms) Value.

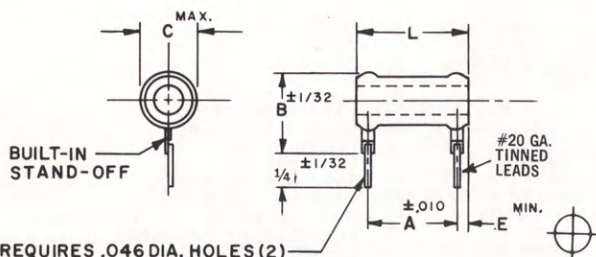
Weight: 3-Watt: .002 lbs.; 5¼ Watt: .003 lbs.

ELECTRICAL

Tolerance: $\pm 5\%$ for 1 ohm and above; $\pm 10\%$ below 1 ohm.

Wattage: 3-Watt, derated to 0 at 350°C—5¼-Watt, derated to 0 at 350°C

Temperature Coefficient: Less than 260 ppm/°C.



Rated Watts @ 25°C	DIMENSIONS (Inches)				
	A $\pm .010$	B $\pm \frac{1}{32}$	C Max.	E Min.	L $\pm \frac{1}{4}$
3	.300	.429	$\frac{5}{16}$	$\frac{1}{32}$	$\frac{7}{16}$
5¼	.500	.469	$1\frac{1}{32}$	$\frac{1}{32}$	$\frac{5}{8}$

3-WATT

Free air rating thru 10K ohms.

Ohms	Catalog No. ¹	Max. Amps	Ohms	Catalog No. ¹	Max. Amps	Ohms	Catalog No. ¹	Max. Amps
1.0	5800	1.73	120	(5817)	.158	1200	5834	.0500
1.5	(5801)	1.41	150	(5818)	.141	1500	5835	.0447
2.0	5802	1.22	200	5819	.122	1800	5836	.0408
2.4	(5803)	1.12	250	5820	.110	2000	5837	.0387
3.0	5804	1.00	270	5821	.105	2500	5838	.0346
4.0	(5805)	.866	300	5822	.100	2700	5839	.0133
5.0	5806	.774	330	5823	.0953	3000	5840	.0316
7.5	5807	.632	400	5824	.0866	4000	5841*	.0274
10.0	5808	.548	450	5825	.0816	4700	5842*	.0253
15	5809	.447	500	5826	.0775	5000	5843*	.0245
20	5810	.387	560	5827	.0732	5600	(5844)*	.0231
30	5811	.316	600	5828	.0707	6200	5845*	.0220
50	5812	.245	620	5829	.0696	7000	5846*	.0209
56	(5813)	.231	750	5830	.0632	7500	5847*	.0200
68	5814	.210	800	(5831)	.0612	9000	(5848)*	.0182
82	5815	.191	900	5832	.0577	10000	5849*	.0173
100	5816	.173	1000	5833	.0548			

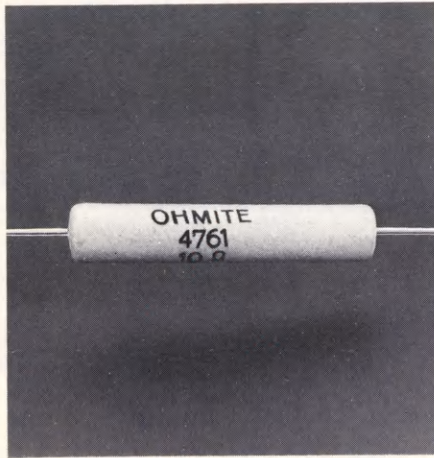
*NOTE: These resistors are Ohmicone® Coated, Type 470.

Free air rating thru 15 K ohms. **5¼-WATT**

Ohms	Catalog No. ¹	Max. Amps	Ohms	Catalog No. ¹	Max. Amps	Ohms	Catalog No. ¹	Max. Amps
1.0	5850	2.29	100	5864	.229	1800	(5882)	.0540
1.5	5850A	1.87	120	5865	.209	2000	5883	.0512
2.0	5851	1.62	150	5866	.187	2200	5883A	.0488
3.0	5851A	1.32	160	5867	.181	2500	5884	.0458
4.0	(5851B)	1.15	200	5868	.162	3000	5885	.0418
5.0	5852	1.02	220	(5869)	.154	3300	5885A	.0399
5.6	(5852A)	.968	250	5870	.145	3900	(5885B)	.0367
10.0	5853	.725	270	(5870A)	.139	4000	5886	.0362
15	5854	.592	300	5871	.132	4500	(5887)	.0341
18	(5855)	.540	330	(5872)	.126	5000	5888	.0324
20	5856	.512	350	5873	.122	5600	5889	.0306
22	5856A	.489	400	5874	.115	6000	(5890)	.0296
25	5857	.458	500	5875	.102	7500	5891*	.0265
30	5858	.418	510	(5875A)	.101	8200	5892*	.0253
40	5859	.362	560	(5875B)	.0968	9000	(5893)*	.0241
50	5860	.324	600	5876	.0935	9100	(5893A)*	.0240
51	(5860A)	.321	750	5877	.0837	10000	5894*	.0229
56	5860B	.306	800	(5878)	.0810	12000	5895*	.0209
68	5861	.278	1000	5879	.0725	15000	5896*	.0187
75	5862	.265	1200	5880	.0661	20000	5897*	.0152
82	5863	.253	1300	(5881)	.0635			

*NOTE: These resistors are Ohmicone® Coated, Type 470.

¹ Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.



- FIRST MOLDED WIREWOUND, VITREOUS ENAMEL RESISTOR
- INSULATED! MEETS 1000 VAC TEST
- WITHSTANDS 1500°F TEMPERATURES WITHOUT DISTORTION

An exclusive technique (U. S. Patent No.'s 3,229,237 and 3,489,828) permits application of the vitreous enamel coating by **molding** instead of the conventional "dip" process. The dimensionally consistent and thicker coating that results, guarantees a 1000 VAC insulation rating plus unparalleled capability for withstanding very high temperatures, high humidity and immersion in salt solution.

- RESISTS CHIPPING, BREAKING
- UNIFORM SIZE PERMITS CLIP-MOUNTING WITH SIGNIFICANT HEAT SINK BENEFITS
- HIGH OVERLOAD CAPABILITY

These resistors are normally mounted by their axial leads. However, their consistent form also permits mounting in clips with heat sink benefits up to 100%. (See "Mounting Clips" on page 10.) Resistance tolerance is $\pm 5\%$. Series 99 resistors meet the requirements of MIL-R-26 for "insulated" resistors.

(See page 10 for dimensions.)

1½ WATT .422" x .125" Dia. Style 995-1A Avg. Wt., .0009 lb.			2¼ WATT .375" x .188" Dia. Style 995-2A Avg. Wt., .0018 lb.			3¼ WATT .547" x .203" Dia. Style 995-3A Avg. Wt., .003 lb.			5 WATT .938" x .203" Dia. Style 995-5B Avg. Wt., .004 lb.			11 WATT 1.781" x .312" Dia. Style 995-10A Avg. Wt., .015 lb.			1½ WATT .422" x .125" Dia. Style 995-1A Avg. Wt., .0009 lb.			2¼ WATT .375" x .188" Dia. Style 95-2A Avg. Wt., .0018 lb.			3¼ WATT .547" x .203" Dia. Style 995-3A Avg. Wt., .003 lb.			5 WATT .938" x .203" Dia. Style 995-5B Avg. Wt., .004 lb.			11 WATT 1.781" x .312" Dia. Style 995-10A Avg. Wt., .015 lb.																
Ohms	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Ohms	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps	Cat. No.¹	Max. Amps														
1.0	4030	1.24	3860	1.50	4330	1.80	4530	2.24	4730	3.32	450	4109A	.058	(3942)	.071	4409A	.084	4609A	.11	(4809A)	.16	1.1	4031	1.17	(3861)	1.43	(4331)	1.71	(4531)	2.13	(4731)	3.16	470	4110	.056	3943	.069	4410	.083	4610	.10	4810	.15
1.2	4032	1.12	3862	1.37	4332	1.65	4532	2.04	4732	3.03	500	4111	.055	3944	.067	4411	.081	4611	.10	4811	.15	1.3	4033	1.08	(3863)	1.31	(4333)	1.58	4533	1.96	(4733)	2.91	510	4112	.054	3945	.066	4412	.080	4612	.10	(4812)	.15
1.5	4034	1.00	3864	1.22	4334	1.47	4534	1.83	(4734)	2.71	560	4113	.052	3946	.063	4413	.076	4613	.094	4813	.14	1.6	(4035)	.97	3865	1.18	(4335)	1.42	4535	1.77	4735	2.62	600	4114	.050	3947	.061	4414	.073	4614	.091	4814	.14
1.8	4036	.91	3866	1.11	4336	1.34	4536	1.67	4736	2.42	620	4115	.049	(3948)	.060	4415	.072	(4615)	.090	(4815)	.13	2.0	4037	.87	3867	1.05	4337	1.27	4537	1.58	4737	2.34	680	4116	.047	3949	.057	4416	.069	4616	.086	4816	.13
2.2	4038	.83	3868	1.01	4338	1.22	4538	1.51	4738	2.24	700	4117	.046	3950	.056	4417	.068	4617	.084	4817	.12	2.4	4039	.79	3869	.97	4339	1.16	4539	1.44	4739	2.14	750	4118	.045	3951	.055	4418	.065	4618	.082	4818	.12
2.7	4041	.75	3871	.91	4341	1.09	4541	1.36	4741	2.02	800	4119	.043	(3952)	.053	4419	.064	4619	.079	4819	.12	3.0	4042	.71	3872	.86	4342	1.04	4542	1.29	4742	1.92	820	4120	.043	3953	.052	4420	.063	4620	.078	4820	.12
3.3	4043	.67	3873	.82	4343	.99	4543	1.23	4743	1.83	900	(4121)	.041	(3954)	.050	4421	.060	4621	.074	4821	.11	3.6	(4044)	.65	3874	.79	4344	.95	4544	1.18	(4744)	1.75	910	4122	.041	(3955)	.050	4422	.060	4622	.074	(4822)	.11
3.9	4045	.62	3875	.76	(4345)	.91	4545	1.13	4745	1.67	1000	4123	.039	3956	.047	4423	.056	4623	.071	4823	.11	4.0	4046	.61	3876	.73	4346	.90	4546	1.11	4746	1.66	1100	4124	.037	3957	.045	4424	.054	4624	.067	4824	.10
4.3	4047	.59	3877	.72	4347	.87	(4547)	1.07	4747	1.60	1200	4125	.035	3958	.043	4425	.052	4625	.065	4825	.096	4.7	4048	.56	3878	.69	4348	.83	4548	1.03	4748	1.53	1300	4126	.034	(3959)	.041	4426	.050	4626	.062	4826	.092
5.0	4049	.55	3879	.67	4349	.81	4549	1.00	4749	1.48	1400	4126A	.033	(3960)	.040	(4426A)	.048	4626A	.059	4826A	.089	5.1	(4050)	.54	3880	.66	4350	.80	4550	.99	4750	1.47	1500	4127	.032	3961	.039	4427	.047	4627	.058	4827	.086
5.6	4051	.52	3881	.63	4351	.76	4551	.94	4751	1.40	1600	4128	.031	(3962)	.037	4428	.045	4628	.056	4828	.083	6.2	(4053)	.49	3883	.60	4353	.72	4553	.90	4753	1.33	1800	4129	.029	3963	.035	4429	.042	4629	.053	4829	.078
6.8	4054	.47	3884	.57	4354	.69	4554	.86	4754	1.27	2000	4130	.027	3964	.033	4430	.040	4630	.050	4830	.074	7.5	4056	.45	3886	.55	4356	.65	4556	.82	4756	1.21	2200	4131	.026	3965	.032	4431	.039	4631	.048	4831	.071
8.2	4058	.43	3888	.52	4358	.63	4558	.78	4758	1.16	2400	4132	.025	3966	.031	4432	.036	4632	.046	4832	.068	9.1	4060	.41	3890	.50	4360	.60	4560	.74	(4760)	1.10	2500	4133	.025	3967	.030	4433	.036	4633	.045	4833	.066
10	4061	.39	3891	.47	4361	.56	4561	.71	4761	1.05	2700	4134	.024	3968	.028	4434	.035	4634	.043	4834	.064	11	(4062)	.37	3892	.45	4362	.54	4562	.67	4762	1.00	3000	4135	.022	3969	.027	4435	.033	4635	.041	4835	.061
12	4063	.35	3893	.43	4363	.52	4563	.65	4763	.96	3300					4436	.031	4636	.039	4836	.056	13	4064	.34	3894	.41	4364	.50	4564	.62	4764	.92	3500					(4436A)	.030	4636A	.038	4836A	.056
15	4065	.32	3895	.39	4365	.47	4565	.58	4765	.86	3600					4437	.030	4637	.037	4837	.055	16	4066	.31	3896	.37	4366	.45	4566	.56	(4766)	.83	3900					4438	.029	4638	.036	4838	.053
18	4067	.29	3897	.35	4367	.42	4567	.53	4767	.78	4000					4439	.028	4639	.035	4839	.052	20	4068	.27	3898	.33	4368	.40	4568	.50	4768	.74	4300					(4440)	.027	4640	.034	4840	.050
22	4069	.26	3899	.32	4369	.39	4569	.48	4769	.71	4500					4440A	.027	4640A	.033	4840A	.049	24	4070	.25	3900	.31	4370	.36	4570	.46	4770	.68	4700					4441	.026	4641	.033	4841	.048
25	4071	.25	3901	.30	4371	.36	4571	.45	4771	.66	5000					4442	.025	4642	.032	4842	.047	27	4072	.24	3902	.29	4372	.35	4572	.43	4772	.64	5100					4443	.025	4643	.031	4843	.046
30	4073	.22	3903	.27	4373	.30	4573	.41	4773	.61	5600					4444	.024	4644	.030	4844	.044	33	4074	.21	3904	.26	4374	.31	4574	.39	4774	.58	6000					4445	.023	4645	.029	4845	.043
35	(4074A)	.207	(3905)	.25	4374A	.30	4574A	.38	4774A	.56	6200					(4446)	.023	4646	.028	(4846)	.042	36	4075	.200	(3906)	.25	(4375)	.30	4575	.37	4775	.55	6800					4447	.022	4647	.027	4847	.040
39	4076	.196	3907	.24	4376	.29	4576	.36	4776	.53	7000					4448	.021	4648	.027	4848	.040	40	(4077)	.193	(3908)	.24	4377	.28	4577	.35	4777	.52	7500					4449	.021	4649	.026	4849	.038
43	(4078)	.187	3909	.23	4378	.27	4578	.34	4778	.50	8000					4450	.020	4650	.025	4850	.037	47	4079	.179	3910	.22	4379	.26	4579	.33	4779	.48	8200					4451	.020	4651	.025	4851	.037
50	4080	.173	3911	.21	4380	.25	4580	.32	4780	.47	9000					4452	.019	4652	.024	4852	.035	51	4081	.171	3912	.21	4381	.25	4581	.31	(4781)	.46	9100					4453	.019	(4653)	.023	4853	.035
56	4082	.164	(3913)	.20	4382	.24	4582	.30	4782	.44	10000					4454	.018	4654	.022	4854	.033	62	4084	.156	3915	.19	4384	.23	4584	.28	4784	.42	11000							4655	.021	(4855)	.031
68	4085	.149	3916	.18	4385	.22	4585	.27	4785	.40	12000							4656	.020	4856	.030	75	4087	.141	3918	.17	4387	.21	4587	.26	4787	.38	13000					(4657)	.020	(4857)	.029		
82	4089	.135	3920	.16	4389	.20	4589	.25	4789	.37	14000							(4657A)	.018	(4857B)	.028	91	4091	.128	3922	.16	4391	.19	4591	.23	4791	.35	15000					4658	.018	4858	.027		
100	4092	.123	3923	.15	4392	.18	4592	.22	4792	.33	16000							4659	.018	(4859A)	.026	110	(4093)	.117	3924	.14	4393	.17	4593	.21	4793	.31	17000					4659B	.017	(4859C)	.025		
120	4094	.112	3925	.14	4394	.16	4594	.20	4794	.30	18000							4660	.017	4860	.024	130	4095	.108	3926	.13	4395	.16	4595	.20	4795	.29	20000					4661	.016	4861	.023		
150	4096	.100	3927	.12	439																																						

OHMITE® Series 22 5% tolerance

conformal vitreous enamel axial lead wirewound resistors

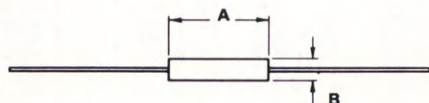
- Rugged Vitreous Enamel Coating Withstands Severe Humidity and Temperature Cycling
- Economical
- All Welded Construction
- Ideal for Machine Insertion

Advanced conformal vitreous enamel coating protects resistors, even in environments of high heat.

These rugged, economical wirewound resistors are recommended for industrial applications where quality construction and reliable operation are prime specifying parameters.

5% tolerance is standard for all wattage sizes. Dielectric breakdown is 1KV (500V for 1 Watt size). Typical T.C. of ± 30 ppm/°C. for 10 ohm values and above.

Watts	Body Dimensions		Leads 1.5"/38.1 mm GA
	Max L (A) (" /mm)	Max Dia. (B) (" /mm)	
1	.406/10.3	.156/4	22
2	.406/10.3	.219/5.6	20
3	.562/14.3	.250/6.4	20
5	1.000/25.4	.250/6.4	20
10	1.938/49.2	.343/8.7	20



MECHANICAL

Terminal Strength: Meets MIL-R-26 requirements.

ELECTRICAL

Tolerance: $\pm 5\%$ std.;

Temperature Coefficient: 0 ± 30 ppm/°C typical for 10 Ω and above.

Dielectric Withstanding Voltage: 1 KV (500 V for 1 W types).

Overload, Short Time: 10X rated wattage for 5 sec. (5 W size & larger); 5X rated wattage for 5 sec. (under 5 W).

Inductance: Varies with no. of turns and wire size. Std. units have single layer winding.

MATERIALS

Core: Ceramic, resistant to thermal shock and wide variations in temperature.

Resistance Element: High grade resistance alloy wire, single layer winding. Leads and resistance element welded to metal end caps.

Coating: High performance conformal vitreous enamel.

Leads: Solder coated.



Resistance Ohms	Catalog Numbers				
	1 Watt	2 Watt	3 Watt	5 Watt	10 Watt
1.0	21J1R0	22J1R0	23J1R0	25J1R0	20J1R0
1.5	21J1R5	22J1R5	23J1R5	25J1R5	20J1R5
2.0	21J2R0	22J2R0	23J2R0	25J2R0	20J2R0
2.2	21J2R2	22J2R2	23J2R2	25J2R2	20J2R2
3.0	21J3R0	22J3R0	23J3R0	25J3R0	20J3R0
4.0	21J4R0	22J4R0	23J4R0	25J4R0	20J4R0
5.0	21J5R0	22J5R0	23J5R0	25J5R0	20J5R0
7.5	21J7R5	22J7R5	23J7R5	25J7R5	20J7R5
10.0	21J10R	22J10R	23J10R	25J10R	20J10R
12.0	21J12R	22J12R	23J12R	25J12R	20J12R
15.0	21J15R	22J15R	23J15R	25J15R	20J15R
18.0	21J18R	22J18R	23J18R	25J18R	20J18R
20.0	21J20R	22J20R	23J20R	25J20R	20J20R
22.0	21J22R	22J22R	23J22R	25J22R	20J22R
25.0	21J25R	22J25R	23J25R	25J25R	20J25R
27.0	21J27R	22J27R	23J27R	25J27R	(20J27R)
30.0	21J30R	22J30R	23J30R	25J30R	20J30R
33.0	21J33R	22J33R	23J33R	25J33R	20J33R
35.0	21J35R	(22J35R)	23J35R	25J35R	20J35R
39.0	21J39R	22J39R	23J39R	25J39R	(20J39R)
40.0	21J40R	(22J40R)	23J40R	25J40R	20J40R
47.0	21J47R	22J47R	23J47R	25J47R	20J47R
50.0	21J50R	22J50R	23J50R	25J50R	20J50R
56.0	(21J56R)	22J56R	23J56R	(25J56R)	20J56R
62.0	21J62R	22J62R	23J62R	25J62R	(20J62R)
68.0	21J68R	22J68R	23J68R	25J68R	
75.0	21J75R	22J75R	23J75R	25J75R	20J75R
82.0	21J82R	22J82R	23J82R	25J82R	20J82R
100	21J100	22J100	23J100	25J100	20J100
120	21J120	22J120	23J120	25J120	20J120
125	(21J125)	(22J125)	23J125	25J125	20J125
150	21J150	22J150	23J150	25J150	20J150
180	21J180	22J180	23J180	25J180	20J180
200	21J200	22J200	23J200	25J200	20J200
220	21J220	22J220	23J220	25J220	20J220
225	21J225	(22J225)	23J225	25J225	(20J225)
250	21J250	22J250	23J250	25J250	20J250
270	21J270	22J270	23J270	25J270	(20J270)
300	21J300	(22J300)	23J300	25J300	20J300
330	21J330	22J330	23J330	25J330	20J330
350	21J350	22J350	23J350	25J350	20J350
390	21J390	22J390	23J390	25J390	(20J390)
400	21J400	22J400	23J400	25J400	20J400
450	21J450	(22J450)	23J450	25J450	20J450
470	21J470	22J470	23J470	25J470	20J470
500	21J500	22J500	23J500	25J500	20J500
560	21J560	22J560	23J560	25J560	20J560
600	21J600	22J600	23J600	25J600	20J600
680	21J680	22J680	23J680	25J680	20J680
750	21J750	22J750	23J750	25J750	20J750
800	21J800	22J800	23J800	25J800	20J800
820	21J820	(22J820)	23J820	(25J820)	20J820
900	21J900	22J900	23J900	25J900	(20J900)
1000	21J1K0	22J1K0	23J1K0	25J1K0	20J1K0
1100	21J1K1	22J1K1	23J1K1	25J1K1	(20J1K1)
1200	21J1K2	22J1K2	23J1K2	25J1K2	20J1K2
1500	21J1K5	22J1K5	23J1K5	25J1K5	20J1K5
1800	21J1K8	22J1K8	23J1K8	25J1K8	(20J1K8)
2000	21J2K0	22J2K0	23J2K0	25J2K0	20J2K0
2200	21J2K2	22J2K2	23J2K2	25J2K2	20J2K2
2500	21J2K5	22J2K5	23J2K5	25J2K5	20J2K5
2700	21J2K7	22J2K7	23J2K7	(25J2K7)	20J2K7
3000	21J3K0	22J3K0	23J3K0	25J3K0	20J3K0
3300			23J3K3	25J3K3	20J3K3
3500			23J3K5	25J3K5	20J3K5
3900			23J3K9	25J3K9	20J3K9
4000			23J4K0	25J4K0	20J4K0
4500			23J4K5	25J4K5	(20J4K5)
4700			23J4K7	25J4K7	20J4K7
5000			23J5K0	25J5K0	20J5K0
6000			23J6K0	25J6K0	20J6K0
6800			23J6K8	25J6K8	(20J6K8)
7000			23J7K0	25J7K0	20J7K0
7500			23J7K5	25J7K5	20J7K5
8000			23J8K0	25J8K0	(20J8K0)
9000			23J9K0	(25J9K0)	(20J9K0)
10,000			23J10K	25J10K	20J10K
12,000				25J12K	20J12K
13,000					20J13K
15,000				25J15K	20J15K
17,000					(20J17K)
20,000				25J20K	20J20K
22,000				25J22K	20J22K
25,000				25J25K	20J25K
30,000					20J30K
33,000					(20J33K)
35,000					20J35K
40,000					20J40K
50,000					20J50K

Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

**molded
for uniform
shape and size**

- OHMICONE® silicone-ceramic • low T.C.
- insulated for 1000 volts • aged for stability



Type 884 Riteohm® Resistors are stocked in power ratings of 3, 5 and 10 watts. Single layer wound on ceramic cores, Riteohm resistors feature a pressure-molded coating of tough, resilient Ohmicone® silicone-ceramic material which meets the MIL-R-26, 1000 VAC insulation test. Riteohms are aged for long term stability and exhibit negligible inductance at audio frequencies. Temperature coefficient of resistance is $0 \pm 10\text{ppm}/^\circ\text{C}$ for most values. Values shown are available from stock. For non-standard values, closer tolerances, etc. contact your local Ohmite office.

	3 WATTS Style 884-3		5 WATTS Style 884-5		10 WATTS Style 884-10		Resistance (Ohms)	3 WATTS Style 884-3		5 WATTS Style 884-5		10 WATTS Style 884-10		Resistance (Ohms)	3 WATTS Style 884-3		5 WATTS Style 884-5		10 WATTS Style 884-10		Resistance (Ohms)	3 WATTS Style 884-3		5 WATTS Style 884-5		10 WATTS Style 884-10		
	Cat. No.²	Max Amps	Cat. No.²	Max. Amps	Cat. No.²	Max. Amps		Cat. No.²	Max Amps	Cat. No.²	Max. Amps	Cat. No.²	Max. Amps		Cat. No.²	Max Amps	Cat. No.²	Max Amps	Cat. No.²	Max. Amps		Cat. No.²	Max. Amps	Cat. No.²	Max Amps	Cat. No.²	Max. Amps	Cat. No.²
.100	80013	5.48	80015	7.07	80010	10.0	56.2	81853	.231	81855	.298	(81850)	.422	2000	83343	.0387	83345	.0500	83340	.0707			83343	.0387	83345	.0500	83340	.0707
.121	80023	4.98	80025	6.43	80020	9.09	59.0	81873	.225	(81875)	.291	(81870)	.412	2150	83373	.0374	83375	.0482	(83370)	.0682			83373	.0374	83375	.0482	(83370)	.0682
.150	80033	4.47	80035	5.77	80030	8.16	60.4	81883	.223	(81885)	.288	81880	.407	2210	83383	.0368	83385	.0476	(83380)	.0673			83383	.0368	83385	.0476	(83380)	.0673
.200	80053	3.87	80055	5.00	80050	7.07	61.9	81893	.220	(81895)	.284	81890	.402	2260	83393	.0364	83395	.0470	83390	.0665			83393	.0364	83395	.0470	83390	.0665
.221	80063	3.68	80065	4.76	80060	6.73	68.1	81933	.210	81935	.271	81930	.383	2430	83423	.0351	(83425)	.0454	(83420)	.0641			83423	.0351	(83425)	.0454	(83420)	.0641
.249	80073	3.47	80075	4.48	80070	6.34	75.0	81973	.200	81975	.258	81970	.365	2490	83433	.0347	(83435)	.0448	83430	.0634			83433	.0347	(83435)	.0448	83430	.0634
.274	80083	3.31	80085	4.27	80080	6.04	82.5	82013	.191	82015	.246	(82010)	.348	2740	83473	.0331	(83475)	.0427	(83470)	.0604			83473	.0331	(83475)	.0427	(83470)	.0604
.392	80103	2.77	80105	3.57	80100	5.05	88.7	(82043)	.184	82045	.237	(82040)	.336	2940	83503	.0319	83505	.0412	(83500)	.0583			83503	.0319	83505	.0412	(83500)	.0583
.475	80113	2.51	80115	3.24	(80110)	4.59	90.9	82053	.182	82055	.235	82050	.332	3010	83513	.0316	(83515)	.0408	83510	.0576			83513	.0316	(83515)	.0408	83510	.0576
.499	80123	2.45	80125	3.17	80120	4.48	100	82093	.173	82095	.224	82090	.316	3090	(83523)	.0312	(83525)	.0402	(83520)	.0569			(83523)	.0312	(83525)	.0402	(83520)	.0569
.681	80143	2.10	(80145)	2.71	80140	3.83	115	82153	.162	82155	.209	82150	.295	3160	83533	.0308	83535	.0398	(83530)	.0563			83533	.0308	83535	.0398	(83530)	.0563
.750	80153	2.00	80155	2.58	80150	3.65	121	82173	.157	82175	.203	(82170)	.287	3240	(83543)	.0304	(83545)	.0393	(83540)	.0556			(83543)	.0304	(83545)	.0393	(83540)	.0556
.825	80163	1.91	80165	2.46	(80160)	3.48	130	82203	.152	(82205)	.196	82200	.277	3320	83553	.0301	83555	.0388	(83550)	.0459			83553	.0301	83555	.0388	(83550)	.0459
1.00	80173	1.73	80175	2.24	80170	3.16	150	82263	.141	(82265)	.183	82260	.258	3480	(83573)	.0294	(83575)	.0379	83570	.0536			(83573)	.0294	(83575)	.0379	83570	.0536
1.10	80213	1.65	80215	2.13	(80210)	3.02	162	82293	.136	(82295)	.176	82290	.248	3920	83623	.0277	(83625)	.0357	(83620)	.0505			83623	.0277	(83625)	.0357	(83620)	.0505
1.21	80253	1.57	80255	2.03	80250	2.87	169	(82313)	.133	(82315)	.172	(82310)	.243	4020	83633	.0273	(83635)	.0353	83630	.0499			83633	.0273	(83635)	.0353	83630	.0499
1.43	80323	1.45	80325	1.87	80320	2.64	174	(82323)	.131	(82325)	.170	82320	.240	4750	83703	.0251	(83705)	.0324	(83700)	.0459			(82323)	.131	(82325)	.170	82320	.240
1.50	80343	1.41	(80345)	1.83	80340	2.58	178	82333	.130	(82335)	.168	(82330)	.237	4870	83713	.0248	83715	.0320	(83710)	.0453			82333	.130	(82335)	.168	(82330)	.237
1.58	80363	1.38	(80365)	1.78	(80360)	2.52	182	82343	.128	82345	.166	(82340)	.234	4990	83723	.0245	83725	.0317	(83720)	.0448			82343	.128	82345	.166	(82340)	.234
1.82	80423	1.28	(80425)	1.66	80420	2.34	200	82383	.122	82385	.158	82380	.224	5110	83733	.0242	83735	.0313	83730	.0442			82383	.122	82385	.158	82380	.224
2.00	80463	1.22	80465	1.58	80460	2.42	205	82393	.121	(82395)	.156	82390	.221	5490	83763	.0234	83765	.0302	(83760)	.0427			82393	.121	(82395)	.156	82390	.221
2.21	80503	1.17	(80505)	1.50	(80500)	2.13	215	82413	.118	(82415)	.152	(82410)	.216	5620	83773	.0231	(83775)	.0298	(83770)	.0422			82413	.118	(82415)	.152	(82410)	.216
2.49	80553	1.10	80555	1.42	(80550)	2.00	221	82423	.117	(82425)	.150	(82420)	.213	6040	83803	.0223	(83805)	.0288	(83800)	.0407			82423	.117	(82425)	.150	(82420)	.213
2.74	(80593)	1.05	(80595)	1.35	80590	1.91	249	82473	.110	82475	.142	82470	.200	6190	83813	.0220	(83815)	.0284	(83810)	.0402			82473	.110	82475	.142	82470	.200
3.01	80633	.998	80635	1.29	80630	1.82	255	(82483)	.108	(82485)	.140	(82480)	.198	6650	83843	.0212	83845	.0274	(83840)	.0388			(82483)	.108	(82485)	.140	(82480)	.198
3.32	80673	.951	80675	1.23	80670	1.74	274	82513	.105	(82515)	.135	82510	.191	6810	83853	.0210	(83855)	.0271	83850	.0383			82513	.105	(82515)	.135	82510	.191
4.02	80753	.864	(80755)	1.12	(80750)	1.58	301	82553	.0998	82555	.129	82550	.182	6980	(83863)	.0207	(83865)	.0268	(83860)	.0379			82553	.0998	82555	.129	82550	.182
4.42	(80793)	.824	(80795)	1.06	(80790)	1.50	332	82593	.0951	82595	.123	(82590)	.174	7500	83893	.0200	(83895)	.0258	83890	.0365			82593	.0951	82595	.123	(82590)	.174
4.53	80803	.814	(80805)	1.05	(80800)	1.49	340	82603	.0939	(82605)	.121	(82600)	.171	8060	83923	.0193	(83925)	.0249	83920	.0352			82603	.0939	(82605)	.121	(82600)	.171
4.99	80843	.775	80845	1.00	80840	1.42	365	(82633)	.0907	(82635)	.117	(82630)	.166	8250	(83933)	.0191	(83935)	.0246	(83930)	.0348			(82633)	.0907	(82635)	.117	(82630)	.166
5.11	80853	.766	80855	.989	(80850)	1.40	374	82643	.0896	(82645)	.116	(82640)	.164	8870	83963	.0184	(83965)	.0237	83960	.0336			82643	.0896	(82645)	.116	(82640)	.164
6.19	(80933)	.696	(80935)	.899	(80930)	1.27	383	82653	.0885	(82655)	.114	(82650)	.162	10,000	84013	.0173	84015	.0224	84010	.0316			(80933)	.696	(80935)	.899	(80930)	1.27
6.81	80973	.664	(80975)	.857	80970	1.21	392	(82663)	.0875	(82665)	.113	(82660)	.160	15,000	84183	.0133*	84185	.0183	84180	.0258			82663	.0875	(82665)	.113	(82660)	.160
7.50	81013	.632	81015	.816	81010	1.15	402	82673	.0864	(82675)	.112	(82670)	.158	20,000	84303	.0100*	84305	.0158	(84300)	.0224			82673	.0864	(82675)	.112	(82670)	.158
8.06	81043	.610	(81045)	.788	(81040)	1.11	432	82703	.0833	82705	.108	82700	.152	20,500	84313	.00976*	(84315)	.0156	(84310)	.0221			82703	.0833	82705	.108	82700	.152
9.09	81093	.574	81095	.742	(81090)	1.05	453	82723	.0814	(82725)	.105	(82720)	.149	22,100	84343	.00905*	84345	.0150	(84340)	.0213			82723	.0814	(82725)	.105	(82720)	.149
10.0	81133	.548	81135	.707	81130	1.00	475	82743	.0795	82745	.103	82740	.145	23,700			(84375)	.0145	84370	.0205			81133	.548	81135	.707	81130	1.00
11.0	81173	.522	(81175)	.674	(81170)	.953	499	82763	.0775	82765	.100	(82760)	.142	24,900			(84395)	.0142	84390	.0200			81173	.522	(81175)	.674	(81170)	.953
12.1	81213	.498	(81215)	.643	(81210)	.909	511	82773	.0766	82775	.0989	(82770)	.140	25,500			(84405)	.0140	(84400)	.0198			81213	.498	(81215)	.643	(81210)	.909
13.0	81243	.480	81245	.620	(81240)	.877	562	82813	.0731	82815	.0943	(82810)	.133	27,400			84435	.0135	(84430)	.0191			81243	.480	81245	.620	(81240)	.877
14.0	81273	.463	81275	.598	(81270)	.845	604	82843	.0705	82845	.0910	82840	.129	30,100					84470	.0182								

1% tolerance 5% tolerance

conformal silicone ceramic
axial lead wirewound resistors

Series 44 Ohmicone® conformal silicone ceramic power resistors are designed for a wide range of commercial, industrial and communications equipment and systems. Resistors feature low, stable T.C.; all welded construction; and operation under high temperature conditions.

ELECTRICAL

Tolerance: $\pm 1\%$ and $\pm 5\%$ closer tolerance available.

Temperature Coefficient: $< 1\Omega - 0 \pm 90$ ppm/ $^{\circ}\text{C}$; 1 to $10\Omega - 0 \pm 50$ ppm/ $^{\circ}\text{C}$; 10Ω & greater $- 0 \pm 20$ ppm/ $^{\circ}\text{C}$.

Dielectric Withstanding Voltage: 500 V (250 V for 1 W size).

Overload, Short Time: 10X rated wattage for 5 seconds (5 W and larger); 5X rated wattage for 5 seconds (3 W and smaller).

Wattage: 1, 2, 3, 5, and 10 Watt Sizes.

Inductance: Varies with no. of turns and wire size. Standard units have single layer winding.

Non-inductive (ARYTON-PERRY) windings available.

MATERIALS

Core: Ceramic, resistant to thermal shock and wide variations in temperature.

Resistance Element: High grade resistance alloy wire, single layer winding.

Leads and resistance element welded to metal end caps.

Coating: High performance conformal silicone ceramic.

Leads: Solder coated.

DERATING

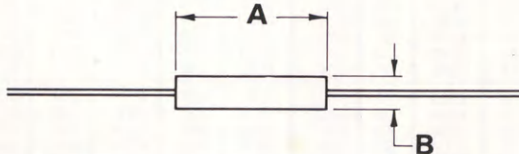
Wattage is based on 25°C Free Air Rating. For higher temperature operation, derate linearly from 100% @ +25°C to 0% @ +275°C.

OHMS	1 WATT		STOCK NUMBER CODE	F— $\pm 1\%$ Tolerance J— $\pm 5\%$ Tolerance R—Decimal point K—Decimal point and X1000
	1%+	5%+		
	41Fxxx	41Jxxx		

SERIES 44 OHMICONE*

Watts	Body Dimensions		Leads (1.5" / 38.1 mm) Ga.
	Max. Lgth. A ("/mm)	Max. Dia. B ("/mm)	
1	.437/9.4	.125/3.2	22
2	.406/10.3	.219/5.6	20
3	.563/14.3	.250/6.4	20
5	.937/23.8	.343/8.7	18
10	1.843/46.8	.406/10.3	18

*OHMICONE is a registered trade name of Ohmite Mfg. Co.

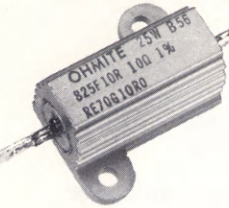


OHMS	CATALOG NUMBERS				
	1 Watt	2 Watts	3 Watts	5 Watts	10 Watts
.1	41J1R0	42J1R0	43F1R0	45F1R0	40F1R0
.15	41J1R5	42J1R5	43F1R5	45F1R5	40F1R5
.2	41J2R0	42J2R0	43F2R0	45F2R0	40F2R0
.3	41J3R0	42J3R0	43F3R0	45F3R0	40F3R0
.4	41J4R0	42J4R0	43F4R0	45F4R0	40F4R0
.5	41J5R0	42J5R0	43F5R0	45F5R0	40F5R0
.75	41J7R5	42J7R5	43F7R5	45F7R5	40F7R5
1.0	41F1R0	42J1R0	43F1R0	45F1R0	40F1R0
1.5	41F1R5	42J1R5	43F1R5	45F1R5	40F1R5
2.0	41F2R0	42J2R0	43F2R0	45F2R0	40F2R0
2.2	41F2R2	42J2R2	43F2R2	45F2R2	40F2R2
3.0	41F3R0	42J3R0	43F3R0	45F3R0	40F3R0
4.0	41F4R0	42J4R0	43F4R0	45F4R0	40F4R0
5.0	41F5R0	42J5R0	43F5R0	45F5R0	40F5R0
7.5	41F7R5	42J7R5	43F7R5	45F7R5	40F7R5
10.0	41F10R	42J10R	43F10R	45F10R	40F10R
12.0	41F12R	42J12R	43F12R	45F12R	40F12R
15.0	41F15R	42J15R	43F15R	45F15R	40F15R
18.0	41F18R	42J18R	43F18R	45F18R	40F18R
20.0	41F20R	42J20R	43F20R	45F20R	40F20R
22.0	41F22R	42J22R	43F22R	45F22R	40F22R
25.0	41F25R	42J25R	43F25R	45F25R	40F25R
27.0	41F27R	42J27R	43F27R	45F27R	40F27R
30.0	41F30R	42J30R	43F30R	45F30R	40F30R
33.0	41F33R	42J33R	43F33R	45F33R	40F33R
35.0	41F35R	42J35R	43F35R	45F35R	40F35R
39.0	41F39R	42J39R	43F39R	45F39R	40F39R
40.0	41F40R	42J40R	43F40R	45F40R	40F40R
47.0	41F47R	42J47R	43F47R	45F47R	40F47R
50.0	41F50R	42J50R	43F50R	45F50R	40F50R

OHMS	CATALOG NUMBERS				
	1 Watt	2 Watts	3 Watts	5 Watts	10 Watts
56.0	41F56R	42J56R	43F56R	45F56R	40F56R
62.0	41F62R	42J62R	43F62R	45F62R	40F62R
68.0	41F68R	42J68R	43F68R	45F68R	40F68R
75.0	41F75R	42J75R	43F75R	45F75R	40F75R
82.0	41F82R	42J82R	43F82R	45F82R	40F82R
100	41F100	42J100	43F100	45F100	40F100
120	41F120	42J120	43F120	45F120	40F120
125	41F125	42J125	43F125	45F125	40F125
150	41F150	42J150	43F150	45F150	40F150
180	41F180	42J180	43F180	45F180	40F180
200	41F200	42J200	43F200	45F200	40F200
220	41F220	42J220	43F220	45F220	40F220
225	41F225	42J225	43F225	45F225	40F225
250	41F250	42J250	43F250	45F250	40F250
270	41F270	42J270	43F270	45F270	40F270
300	41F300	42J300	43F300	45F300	40F300
330	41F330	42J330	43F330	45F330	40F330
350	41F350	42J350	43F350	45F350	40F350
390	41F390	42J390	43F390	45F390	40F390
400	41F400	42J400	43F400	45F400	40F400
450	41F450	42J450	43F450	45F450	40F450
470	41F470	42J470	43F470	45F470	40F470
500	41F500	42J500	43F500	45F500	40F500
560	41F560	42J560	43F560	45F560	40F560
600	41F600	42J600	43F600	45F600	40F600
680	41F680	42J680	43F680	45F680	40F680
750	41F750	42J750	43F750	45F750	40F750
800	41F800	42J800	43F800	45F800	40F800
820	41F820	42J820	43F820	45F820	40F820
900	41F900	42J900	43F900	45F900	40F900

OHMS	CATALOG NUMBERS				
	1 Watt	2 Watts	3 Watts	5 Watts	10 Watts
1000	41F1K0	42J1K0	43F1K0	45F1K0	40F1K0
1100	41F1K1	42J1K1	43F1K1	45F1K1	40F1K1
1200	41F1K2	42J1K2	43F1K2	45F1K2	40F1K2
1500	41F1K5	42J1K5	43F1K5	45F1K5	40F1K5
1800	41F1K8	42J1K8	43F1K8	45F1K8	40F1K8
2000	41F2K0	42J2K0	43F2K0	45F2K0	40F2K0
2200	41F2K2	42J2K2	43F2K2	45F2K2	40F2K2
2500	41F2K5	42J2K5	43F2K5	45F2K5	40F2K5
2700	41F2K7	42J2K7	43F2K7	45F2K7	40F2K7
3000	41F3K0	42J3K0	43F3K0	45F3K0	40F3K0
3300	41F3K3	42J3K3	43F3K3	45F3K3	40F3K3
3500	41F3K5	42J3K5	43F3K5	45F3K5	40F3K5
3900	41F3K9	42J3K9	43F3K9	45F3K9	40F3K9
4000	41F4K0	42J4K0	43F4K0	45F4K0	40F4K0
4500	41F4K5	42J4K5	43F4K5	45F4K5	40F4K5
4700	41F4K7	42J4K7	43F4K7	45F4K7	40F4K7
5000	41F5K0	42J5K0	43F5K0	45F5K0	40F5K0
6000	41F6K0	42J6K0	43F6K0	45F6K0	40F6K0
6800	41F6K8	42J6K8	43F6K8	45F6K8	40F6K8
7000	41F7K0	42J7K0	43F7K0	45F7K0	40F7K0
7500	41F7K5	42J7K5	43F7K5	45F7K5	40F7K5
8000	41F8K0	42J8K0	43F8K0	45F8K0	40F8K0
9000	41F9K0	42J9K0	43F9K0	45F9K0	40F9K0
10,000	41F10K	42J10K	43F10K	45F10K	40F10K
12,000	41F12K	42J12K	43F12K	45F12K	40F12K
13,000	41F13K	42J13K	43F13K	45F13K	40F13K
15,000	41F15K	42J15K	43F15K	45F15K	40F15K
17,000	41F17K	42J17K	43F17K	45F17K	40F17K
20,000	41F20K	42J20K	43F20K	45F20K	40F20K
22,000	41F22K	42J22K	43F22K	45F22K	40F22K
25,000	41F25K	42J25K	43F25K	45F25K	40F25K
30,000	41F30K	42J30K	43F30K	45F30K	40F30K
33,000	41F33K	42J33K	43F33K	45F33K	40F33K
35,000	41F35K	42J35K	43F35K	45F35K	40F35K
40,000	41F40K	42J40K	43F40K	45F40K	40F40K
50,000	41F50K	42J50K	43F50K	45F50K	40F50K

Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.



Molded Construction
5 through 50 Watt Models
Screw Type Mounting on Chassis
Environmentally Protected
Conventional Power Ratings Offer High Stability
Chassis Design Utilizes Heat Sink Effect
Flat-Top Design Allows Easy Identification

STANDARD TEMPERATURE COEFFICIENT

.1—99Ω; 0 ± 90 PPM
 1—9.99Ω; 0 ± 50 PPM
 10Ω and over; 0 ± 20 PPM

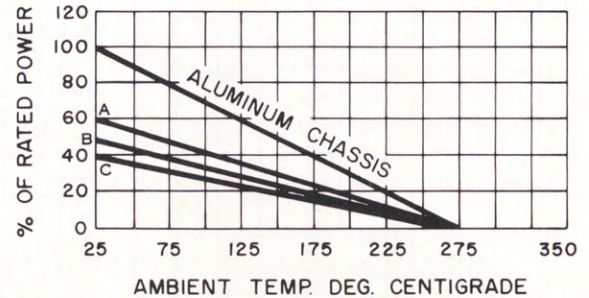
POWER RATING

Power rating is based on chassis mounting area and stability.
 Proper Heat Sink:
 4" x 6" x 2" x .040" aluminum chassis for 5 and 10 watt units.
 5" x 7" x 2" x .040" aluminum chassis for 25 watt units.
 12" x 12" x .059" aluminum panel for 50 watt units.

DERATING

Series 89 resistors have an operating temperature range of -55°C. to +275°C.
 Derating is required for reduced chassis mounting area and high ambient temperatures. The following curves apply to operation of unmounted resistors.

A = 5 and 10 watt units
 B = 25 watt units
 C = 50 watt units



Catalog Numbers				
Ohms	5 Watt	10 Watt	25 Watt	50 Watt
1	805F1R0	810F1R0	825F1R0	850F1R0
1.5	805F1R5	810F1R5		
2.0	805F2R0	810F2R0	825F2R0	850F2R0
3.0	805F3R0	810F3R0	825F3R0	850F3R0
4.0	805F4R0	810F4R0		
5.0	805F5R0	810F5R0	825F5R0	850F5R0
10.0	805F10R	810F10R	825F10R	850F10R
15.0	805F15R	810F15R	825F15R	850F15R
20.0	805F20R	810F20R		
25.0	805F25R	810F25R	825F25R	850F25R
30.0	805F30R	810F30R		
40.0	805F40R	810F40R		
50.0	805F50R	810F50R	825F50R	850F50R
75.0	805F75R	810F75R	825F75R	850F75R
100	805F100	810F100	825F100	850F100
150	805F150	810F150	825F150	850F150
200	805F200	810F200	825F200	850F200
250	805F250	810F250	825F250	850F250
300	805F300	810F300		
400	805F400	810F400		
500	805F500	810F500	825F500	850F500
750	805F750	810F750	825F750	850F750
1000	805F1K0	810F1K0	825F1K0	850F1K0
1500	805F1K5	810F1K5	825F1K5	850F1K5
2000	805F2K0	810F2K0	825F2K0	850F2K0
2500	805F2K5	810F2K5		
3000	805F3K0	810F3K0	825F3K0	850F3K0
3500	805F3K5	810F3K5		
4000	805F4K0	810F4K0		
4500	805F4K5	810F4K5		
5000	805F5K0	810F5K0	825F5K0	850F5K0
6000	805F6K0	810F6K0		
10,000	805F10K	810F10K	825F10K	850F10K
15,000	805F15K	810F15K	(825F15K)	(850F15K)
20,000	805F20K	810F20K		
25,000	805F25K	810F25K	(825F25K)	(850F25K)
50,000		810F50K	(825F75K)	
75,000				
100,000				(850F100K)

Aluminum Housed Resistor Cross Reference

Mil-Type	Ohmite Type	Cal-R	Dale	Nytronics	Pacific Resistor Co.	RCL Electronics, Inc.
RE60	805F 5 watt	MCX-80	RH-5	3105M	5CH	AL5
RE65	810F 10 watt	MC-100	RH-10	3010M	10CH	AL10
RE70	825F 25 watt	MC-250	RH-25	3225M	25CH	AL25
RE75	850F 50 watt	MCX-500	RH-50	3550M		AL50

Please note: Some companies define resistance value by actual number of ohms, while others use a resistance code i.e. (1R5 = 1.5 ohms).

MIL-R-TYPES

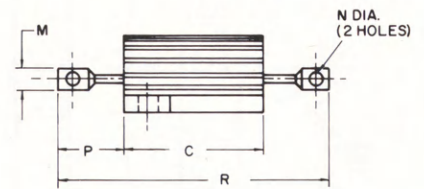
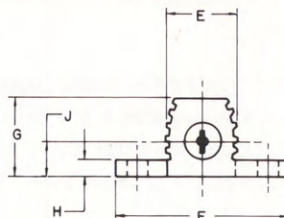
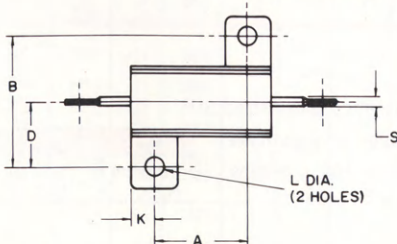
Ohmite's "Metal Mite"® resistors are manufactured in accordance with, and meet Mil-R-18546 specifications for types RE60G, RE65G, RE70G and RE75G.

Dimensions (Inches)

Wattage Size		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
Mil-R-Type	Watts	±.005	±.005	±.031	±.0025	±.015	±.015	±.015	±.010	±.015	±.010	±.005	Min.	±.005	±.062	±.062	Min. AWG
RE60G	5*	.444	.490	.600	.245	.334	.646	.320	.060	.156	.078	.093	.085	.050	.266	1.125	16
RE65G	10*	.562	.625	.750	.312	.420	.800	.390	.075	.183	.093	.093	.140	.086	.312	1.375	12
RE70G	20**	.719	.781	1.062	.391	.550	1.080	.546	.088	.231	.172	.125	.140	.086	.438	1.938	12
RE75G	30**	1.563	.844	1.968	.422	.630	1.140	.610	.088	.260	.196	.125	.140	.086	.438	2.781	12

For additional information on Mil-R-Type resistors, consult factory.

*Can be rated 7.5 and 12.5 watts respectively.
 **Rated 25 and 50 watts, respectively, by Ohmite.



MIL-R-26 AXIAL LEAD RESISTORS

Ohmite maintains stocks of molded vitreous enameled resistors to MIL-R-26 specifications. These Type 991 units meet or exceed required 1000 VAC V-block dielectric, 100 megohm insulation and $\pm 3\%$ ΔR on 2000 hr. cyclic load-life test.

MIL-R-26 RESISTORS

Mil. Type	Char V Watts	Char G Watts	Resistance Range*
RW67	6.5	5.0	0.10-3600 Ω
RW68	11.0	8.0	0.10-8200 Ω
RW69	3.0	2.5	0.10-2000 Ω

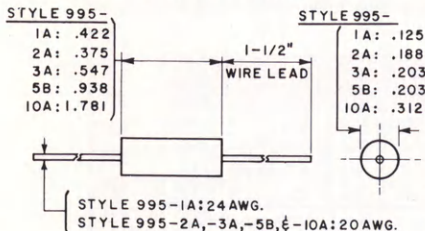
To order, specify using this formula:

RW67 V R10
Mil Type Charact. Ohmic Symbol
Example: RW67VR10 = 6.5W, 0.10 Ω

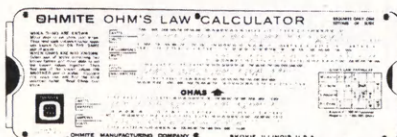
STANDARD VALUES*

Ohms	Symbol	Ohms	Symbol	Ohms	Symbol	Ohms	Symbol	Ohms	Symbol
.10 (R10)	1.0 (1R0)	10 (100)	100 (101)	1000 (102)					
	1.1 (1R1)	11 (110)	110 (111)	1100 (112)					
.12 (R12)	1.2 (1R2)	12 (120)	120 (121)	1200 (122)					
	1.3 (1R3)	13 (130)	130 (131)	1300 (132)					
.15 (R15)	1.5 (1R5)	15 (150)	150 (151)	1500 (152)					
	1.6 (1R6)	16 (160)	160 (161)	1600 (162)					
.18 (R18)	1.8 (1R8)	18 (180)	180 (181)	1800 (182)					
	2.0 (2R0)	20 (200)	200 (201)	2000 (202)					
.22 (R22)	2.2 (2R2)	22 (220)	220 (221)	2200 (222)					
	2.4 (2R4)	24 (240)	240 (241)	2400 (242)					
.27 (R27)	2.7 (2R7)	27 (270)	270 (271)	2700 (272)					
	3.0 (3R0)	30 (300)	300 (301)	3000 (302)					
.33 (R33)	3.3 (3R3)	33 (330)	330 (331)	3300 (332)					
	3.6 (3R6)	36 (360)	360 (361)	3600 (362)					
.39 (R39)	3.9 (3R9)	39 (390)	390 (391)	3900 (392)					
	4.3 (4R3)	43 (430)	430 (431)	4300 (432)					
.47 (R47)	4.7 (4R7)	47 (470)	470 (471)	4700 (472)					
	5.1 (5R1)	51 (510)	510 (511)	5100 (512)					
.56 (R56)	5.6 (5R6)	56 (560)	560 (561)	5600 (562)					
	6.2 (6R2)	62 (620)	620 (621)	6200 (622)					
.68 (R68)	6.8 (6R8)	68 (680)	680 (681)	6800 (682)					
	7.5 (7R5)	75 (750)	750 (751)	7500 (752)					
.82 (R82)	8.2 (8R2)	82 (820)	820 (821)	8200 (822)					
	9.1 (9R1)	91 (910)	910 (911)						

* $\pm 5\%$ 1 ohm and above; $\pm 10\%$ below 1 ohm.



OHM'S LAW CALCULATOR...



* Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

Resistor Assortment

WIRE-WOUND/AXIAL LEAD MOLDED VITREOUS ENAMEL

- Perfect for R & D and Prototype Labs.
- All popular values included.



Select the wire-wound resistor you need, right on the job. All the popular resistance values, as determined by national usage, are contained in these handy, compact assortments.

The attractive plastic cabinet is furnished at no extra cost with each assortment. Cabinets are factory packed in accordance with the table (shown at right) which states the quantities of each resistance value per assortment. Each drawer segment is individually labeled. Dovetail tops and bottoms of cabinets facilitate stacking. Dimensions for single cabinets are 9" long x 4 3/4" high x 5 1/4" deep; double cabinets are 10" high, including wall hanging brackets.

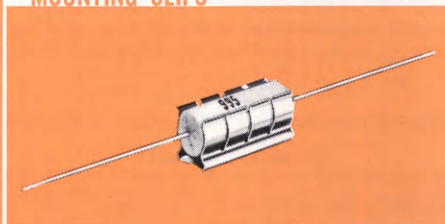
SPECIFICATIONS

Nominal Wattage Size	Catalog Number	No. of Res. Values	Quantity of Resistors
1 1/2 W.	CAB-91	40	167
3 1/4 W.	CAB-93	71	325
5 W.	CAB-95	75	355
11 W.	CAB-99	40	185

- Resistors and handy cabinet for the price of the resistors alone.
- 4 Wattage sizes to choose from.
- Contents clearly marked on front of each drawer segment.

Resistance Values	Quantities and Resistance for Each Assortment				Resistance Values	Quantities and Resistance for Each Assortment			
	1 1/2 Watt CAB-91	3 1/4 Watt CAB-93	5 Watt CAB-95	11 Watt CAB-99		1 1/2 Watt CAB-91	3 1/4 Watt CAB-93	5 Watt CAB-95	11 Watt CAB-99
1.0	10	7	7	5	470	5	7	4	4
1.2	—	—	4	—	500	—	7	—	5
1.5	5	4	4	—	510	5	—	4	—
2.0	5	4	4	5	560	—	4	—	—
2.2	5	—	—	—	600	5	7	4	—
2.7	—	4	—	—	620	—	4	—	—
3.0	5	4	4	5	680	2	7	—	—
4.0	3	4	4	5	700	—	4	—	—
5.0	5	7	7	5	750	2	7	7	5
5.6	—	1	4	—	800	2	4	4	—
6.8	—	4	—	—	820	—	—	4	—
7.5	3	4	1	5	900	—	4	—	—
10.0	10	4	7	5	1000	5	7	7	5
12	—	1	4	—	1200	—	4	—	—
15	5	7	5	—	1300	—	7	7	—
18	—	1	4	—	1500	5	7	4	4
20	3	4	7	5	1800	2	4	4	—
22	2	7	4	5	2000	5	7	7	4
25	—	4	7	5	2200	2	4	4	—
30	3	4	4	5	2500	2	4	4	4
33	—	4	—	—	2700	—	4	1	—
39	—	4	4	5	3000	5	4	7	4
40	3	4	4	5	3300	—	4	—	—
47	—	4	4	—	3900	—	1	1	—
50	5	7	7	5	4000	—	4	4	4
51	—	—	7	—	4300	—	—	4	—
56	2	4	4	—	4500	—	—	—	—
68	2	4	4	5	4700	—	4	—	—
75	2	7	4	4	5000	—	4	7	4
82	—	4	4	5	5600	—	1	4	—
91	5	—	7	—	6000	—	—	4	—
100	5	7	7	5	6800	—	1	5	4
110	5	—	—	—	7000	—	4	—	—
120	—	7	4	—	7500	—	3	—	—
150	—	4	4	5	8000	—	—	4	—
160	—	1	4	—	8200	—	4	4	—
200	5	7	7	5	9000	—	—	4	—
220	5	7	7	—	9100	—	—	—	—
250	—	4	7	5	10,000	—	7	7	4
270	—	4	4	—	12,000	—	—	4	—
300	5	7	7	5	15,000	—	—	4	4
330	5	4	4	—	20,000	—	—	4	—
350	—	—	4	4	22,000	—	—	4	—
390	—	4	4	—	25,000	—	—	4	4
400	—	4	4	—	40,000	—	—	—	4
450	—	4	—	—	50,000	—	—	—	4

MOUNTING CLIPS



Uniform shape and consistent dimensions of Series 99 (page 5) and 88 (page 7) resistors, permits them to be conveniently mounted in clips. If the clip is on a metal surface, the wattage capability of the resistor can increase by as much as 100%.

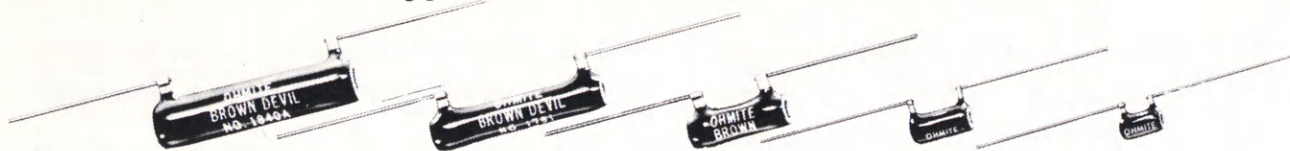
Holes in clip base permit fastening to chassis by means of machine screws, eyelets or rivets.

CLIPS FOR TYPE 995 AND 884* RESISTORS

Resistor		Clip Stock No.
Watts	Series	
1 1/2	99	5900
2 1/4	99	5902
3	88	5904
3 1/4	99	5904
5	88	5905
5	99	5906
10	88	5909
11	99	5908

*See page 6 for Type 884 Resistors.

Type	Stock No.
Cardboard	5180
Plastic	5182

OHMITE® type 200 *brown devil*® fixed resistors

BROWN DEVIL® (Type 200) resistors, are vitreous enameled, wirewound units long famous for ruggedness and durability in small power resistors. With the emphasis towards miniaturization and the current industry trend towards higher operating temperatures, Ohmite has been able to increase the ratings on two Brown Devil sizes. The 5 watt size is now rated **8 watts** and the 10 watt size is now rated **12 watts**. The 20 watt unit retains the same rating. The higher ratings may be confidently applied to any 5 or 10 watt unit now in the possession of users or distributors. At this time also, to meet the demand for lower wattage units, Ohmite introduces two, new, small stock sizes — 3 and 5 1/4 watts.

Standard resistance tolerance is $\pm 5\%$ for values 1 ohm or higher; $\pm 10\%$ for values below 1 ohm. Tinned leads $1\frac{1}{2}$ " long: 3 and $5\frac{1}{4}$ watt, 20 AWG; 8, 12 and 20 watt, 18 AWG.

DIMENSIONS & WEIGHTS

Rating	3W	5¼W	8W	12W	20W
Core Dimen.	¾x.21D	5⁄8x¼D	1x¾D	1¾x¾D	2x¾D
Weight (lbs.)	.003	.005	.01	.015	.03

Ohms	3 WATT		5½ WATT		8 WATT		12 WATT		20 WATT	
	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.
0.5										
1.0	2712	1.73	2822	2.29	1500	2.83	1700A	4.90	1800A	6.32
1.1	(2713)	1.65	2823	2.19			1701	3.46	1802A	4.47
1.2	2714	1.58	(2824)	2.09						
1.3	2715	1.52	(2825)	2.01						
1.5	(2716)	1.41	2826	1.87	1500B	2.30	1704	2.82		
1.6	2717	1.37	2827	1.81						
1.8	2718	1.29	2828	1.71						
2.0	2719	1.22	2829	1.62	1501	2.00	1705	2.45	1802B	3.16
2.2	(2720)	1.17	2830	1.54						
2.4	(2721)	1.12	2831	1.48						
2.7	2722	1.05	2832	1.39						
3.0	2723	1.00	2833	1.32	1502	1.63	1706	2.00	1802C	2.58
3.3	2724	.95	2834	1.24						
3.6	(2725)	.91	2835	1.21						
3.9	2726	.88	2836	1.16						
4.0					1503	1.41	1707	1.73	1802D	2.24
4.3	(2727)	.83	2837	1.10						
4.7	2728	.80	2838	1.06	1504	1.26	1708	1.54	1803	2.00
5.1	2729	.77	2839	1.01						
5.6	2730	.73	(2840)	.97						
6.2	(2731)	.69	2841	.92						
6.8	(2732)	.66	(2842)	.88						
7.5	2733	.63	2843	.84	1505	1.00	1709	1.26		
8.2	(2734)	.60	2844	.80						
9.1	2735	.57	(2845)	.76						
10	2736	.55	2846	.72	1506	.89	1710	1.09	1804	1.41
11	(2737)	.52	(2847)	.69						
12	(2738)	.50	2848	.66	1507	.81	1711	1.00		
13	(2739)	.48	2849	.64						
15	(2740)	.45	2850	.59	1508	.73	1712	.89		
16	(2741)	.43	(2851)	.57						
18	2742	.42	2852	.54						
20	2743	.39	2853	.51	1509	.63	1713	.77		
22	2744	.37	2854	.49						
24	2745	.35	2855	.47						
25					1510	.56	1714	.69	1805	.89
27	(2746)	.33	2856	.44						
30	2747	.32	2857	.42	1511	.51	1715	.63		
33	2748	.303	2858	.40						
35					1512	.47	1716	.58		
36	(2749)	.29	2859	.38						
39	2750	.28	2860	.37	1513	.44	1717	.54		
40										
43	2751	.26	2861	.35						
47	2752	.25	2862	.33						
50					1514	.40	1718	.49	1806	.63
51	2753	.24	2863	.32						
56	2754	.23	2864	.31						
62	2755	.22	2865	.29						
68	2756	.21	2866	.28						
75	2757	.20	2867	.27	1515	.32	1719	.40	1807	.52
82	2758	.19	2868	.25						
91	(2759)	.18	2869	.24						
100	2760	.17	2870	.23	1516	.28	1720	.34	1808	.45
110	(2761)	.16	(2871)	.22						
120	2762	.16	2872	.21						
125					1517	.25	1721	.31		
130	(2763)	.15	2873	.20						
150	2764	.14	2874	.19	1518	.23	1722	.28	1809	.36
160	(2765)	.14	2875	.18						
180	(2766)	.13	2876	.17						
200	2767	.12	2877	.16	1519	.20	1723	.24	1810	.32
220	2768	.12	2878	.16						
225					1520	.18	1724	.23		
240	2769	.11	2879	.15						
250					1521	.17	1725	.22	1811	.28
270	2770	.11	2880	.14						
300	2771	.10	2881	.13	1522	.16	1726	.20	1812	.26
330	2772	.095	2882	.12						
350					1523	.15	1727	.18	1813	.24
360	(2773)	.091	2883	.12						
390	2774	.088	2884	.12						
400					1524	.14	1728	.17	1814	.22
430	(2775)	.083	2885	.11						
450					1525	.13	1729	.16		
470	2776	.080	2886	.11						

	3 WATT		5½ WATT		8 WATT		12 WATT		20 WATT		
	Ohms	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.	Cat. No. ¹	Amps.
500						1526	.12	1730	.15	1815	.20
510		2777	.077	2887	.10						
560		2778	.073	2888	.097						
600						1527	.11	1731	.14		
620		(2779)	.070	2889	.092						
650										1816	.18
680		2780	.067	2890	.088						
700						1528	.11	1732	.13	1817	.17
750		2781	.063	2891	.084	(1529)	.10	1733	.12	1818	.16
800						1530	.10	1734	.12	1819	.15
820		2782	.060	2892	.080						
900						1531	.094	1735	.11	(1820A)	.15
910		2783	.057	2893	.076						
1000		2784	.055	2894	.072	1532	.089	1736	.11	1821	.14
1100		(2785)	.052	(2895)	.069	(1533)	.085	1737	.10		
1200		(2786)	.050	2896	.066	1534	.081	1738	.10	1822	.13
1250						1535	.080	1739	.097	1823	.12
1300		2787	.048	2897	.063						
1350											
1500		2788	.045	2898	.059	1536	.073	1740	.089	1824	.12
1600		(2789)	.043	(2899)	.057						
1750						1537	.067	1741	.082	1825	.11
1800		(2790)	.042	2900	.050						
2000		(2791)	.039	2901	.047	1538	.063	1742	.077	1827	.10
2200		2792	.037	2902	.045						
2250						1539	.059	1743	.073	(1828)	.094
2400		2793	.035	2903	.043						
2500						1540	.056	1744	.069	1830	.089
2700		2794	.033	2904	.041						
2750										1831	.085
3000		2795	.032	2905	.039	1541	.046	1745	.063	1832	.081
3300		2796	.030	2906	.037						
3500						1542	.043	1746	.058	1833	.075
3600		(2797)	.029	2907	.035						
3900		2798	.028	2908	.034						
4000						1543	.040	1747	.054	1834	.070
4300		(2799)	.026	(2909)	.032						
4500						1544	.038	1748	.051	1835	.066
4700		2800	.025	2910	.031						
5000						1545	.036	1749	.049	1836	.063
5100		2801	.024	2911	.030						
5600		2802	.023	2912	.028						
6000						1546	.033	1750	.044	1837	.057
6200		2803	.022	2913	.027						
6800		(2804)	.021	2914	.026						
7000						1547	.030	1751	.041	1838	.053
7500		2805	.020	2915	.025	1548	.029	1752	.036	1839	.051
8000						1549	.029	1753	.035	1840	.050
8200		(2806)	.019	2916	.023			(1754)			
8500								(1754A)	.034		
9000						1550	.027		.033	(1840A)	.047
9100		(2807)	.018	(2917)	.022						
10K		2808	.016	2918	.021	1551	.026	1755	.032	1841	.043
11K				(2919)	.020			(1756)	.030		
12K				2920	.019			1757	.029		
12.5K						1552	.023	1758	.028	1842	.032
13K				2921	.019						
13.5K								(1759)	.027		
15K				2922	.017	1553	.021	1761	.026	1843	.029
16K				2923	.017			(1762)	.025		
17.5K						(1554)	.019	(1763)	.024		
18K				2924	.016			1764	.024		
20K				2925	.014	1555	.018	1765	.022	1844	.026
22.5K						(1556)	.017	1766	.021		
25K						1557	.015	1767	.020	1845	.023
30K								1768	.018	1846	.021
35K								1769	.017	(1847)	.019
40K								1770	.016	1848	.018
45K								1771	.015	(1849)	.017
50K								1772	.014	1850	.016
55K										(1851)	.015
60K										(1852)	.015
65K										(1853)	.014
70K										(1854)	.014
75K										(1855)	.013
80K										1856	.013
85K										(1857)	.012
90K										(1858)	.012
95K										(1859)	.012
100K										1860	.011

¹ Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

OHMITE® type 270 vitreous enameled fixed resistors

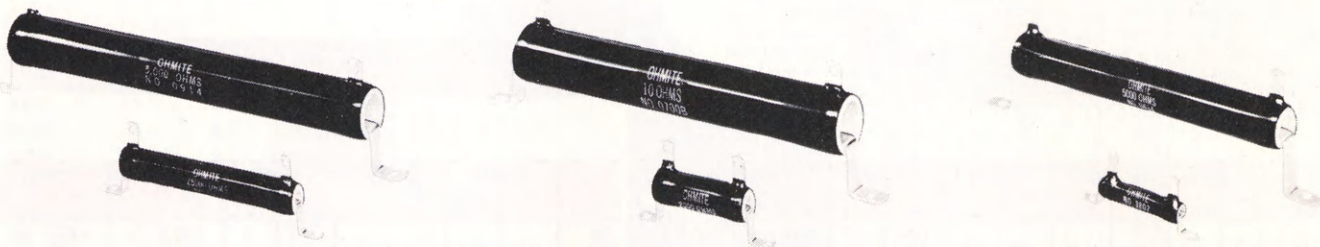
These lug type resistors are wire-wound on high quality ceramic cores, protected and insulated by Ohmite vitreous enamel—the time-proved standard covering that is the best conductor of heat for a material which must also be a good electrical insulator.

Resistance tolerance is $\pm 5\%$ for values 1 ohm or higher; $\pm 10\%$ below 1 ohm.

Wattage ratings are for use in free air. When resistors are mounted in

closed spaces or where the circulation of air is restricted, they should not be used at more than one-half rating. Currents and voltages for reduced ratings can be obtained by multiplying full rating by the following factors: 75% load = .86, 66% = .81, 50% = .71, 33% = .57, 25% = .50.

Mounting brackets are automatically supplied in individual unit packs; supplied only when specified in bulk pack orders. See page 15, "Mounting Brackets for Tubular Resistors" to specify other brackets.



12 WATT		
Free air rating to 5600 Ohms Core: 1-3/4" x 5/16" Mtg. Ctr. 2 3/16" — Av. Wt. .02 lb. Std. Mtg. Brkt.: Cat. No. 5		
Resist. Ohms.	Cat. No.¹	Max. Amps.
.51	3723	4.86
1.0	3730	3.46
1.5	(3734)	2.83
2.2	3738	2.34
3.3	3742	1.91
4.7	3746	1.60
6.8	3750	1.33
10	3754	1.10
12	3756	1.00
15	3758	.89
18	(3760)	.82
22	3762	.74
27	3764	.67
33	3766	.60
39	3768	.55
47	3770	.53
56	3772	.46
68	3774	.42
82	3776	.38
100	3778	.35
120	3780	.32
150	3782	.28
180	3784	.26
220	(3786)	.23
270	3788	.21
330	3790	.19
390	3792	.18
470	3794	.16
560	3796	.15
680	3798	.13
820	(3800)	.12
1,000	3802	.11
1,200	3804	.10
1,500	3806	.089
1,800	(3808)	.082
2,200	3810	.074
2,700	3812	.067
3,300	3814	.060
3,900	3816	.055
4,700	3818	.051
5,600	3820	.046
6,800	(3822)	.038
8,200	(3824)	.035
10,000	3826	.032
12,000	(3828)	.029
15,000	(3830)	.026
18,000	3832	.024
22,000	3834	.021
27,000	(3836)	.019
33,000	(3838)	.017
39,000	(3840)	.016
47,000	(3842)	.015
51,000	(3843)	.014

	25 WATT Free air rating to 12,000 Ohms. Core: 2" x 5/16" Mtg. Ctr: 2 3/4" — Av. Wt. .05 lb. Std. Mtg. Brkt.: No. 9		50 WATT Free air rating to 25,000 Ohms. Core: 4" x 5/16" Mtg. Ctr: 4 3/4" — Av. Wt. .09 lb. Std. Mtg. Brkt.: No. 9		100 WATT Free air rating to 60,000 Ohms. Core: 6 1/2" x 3/4" Mtg. Ctr: 7 3/8" — Av. Wt. .20 lb. Std. Mtg. Brkt.: No. 12		175 WATT Free air rating for All Values Core: 8 1/2" x 1 1/8" Mtg. Ctr: 9 3/4" — Av. Wt. .50 lb. Std. Mtg. Brkt.: No. 18		225 WATT Free air rating for All Values Core: 10 1/2" x 1 1/8" Mtg. Ctr: 11 3/8" — Av. Wt. .62 lb. Std. Mtg. Brkt.: No. 18	
Ohms Res.	Catalog No.¹	Max. Amps.	Catalog No.¹	Max. Amps.	Catalog No.¹	Max. Amps.	Catalog No.¹	Max. Amps.	Catalog No.¹	Max. Amps.
1	0200J	5.00	0400J	7.07	0600C	10.00	0700C	13.2	0900C	15.00
2	0200K	3.54	0400K	5.00	0600D	7.07	0700D	9.35	0900D	10.60
3	0200L	2.88	0400L	4.07	0600E	5.77	0700E	7.63	0900E	8.67
4	0200N	2.50	0400N	3.53	0600F	5.00	0700F	6.6	0900F	7.50
5	0200A	2.24	0400A	3.16	0600A	4.47	0700A	5.92	0900A	6.72
10	0200B	1.58	0400B	2.23	0600B	3.16	0700B	4.18	0900B	4.74
15	0200R	1.29								
25	0200C	1.00	0400C	1.41	0601	2.00	0701	2.64	0901	3.00
50	0200D	.71	0400D	1.00	0602	1.41	0702	1.87	0902	2.12
75	0200E	.58	0400E	.82	0603	1.15	0703	1.52	0903	1.73
100	0200F	.50	0400F	.71	0604	1.00	0704	1.32	0904	1.50
125					0604B	.90	0704B	1.18		
150	0200G	.41	0400G	.58	0605	.82	0705	1.08	0905	1.25
200	0200H	.35	0400H	.50						
250	0201	.32	0401	.45	0606	.63	0706	.84	0906	.95
500	0202	.22	0402	.32	0607	.45	0707	.59	0907	.67
750	0203	.18	0403	.26	0608	.37	(0708)	.48	0908	.55
800	0204	.17	0404	.25						
1,000	0205	.16	0405	.22	0609	.32	(0709)	.42	0909	.47
1,500	0206	.13	0406	.18	0610	.26	(0710)	.34	0910	.39
2,000	0207	.12	0407	.16	0611	.22	0711	.30	0911	.34
2,500	0208	.10	0408	.14	0612	.20	(0712)	.26	0912	.30
3,000	0209	.091	0409	.13	0613	.18	(0713)	.24	0913	.27
3,500	0210	.084								
4,000	0211	.079	0410	.11						
5,000	0212	.070	0411	.10	0614	.14	0714	.19	0914	.21
6,000	0213	.064								
7,500	0214	.057	0412	.081	0615	.12	0715	.15	0915	.17
8,000			0413	.079						
10,000	0215	.050	0414	.071	0616	.10	0716	.13	0916	.15
12,000	0216	.045	0415	.064						
15,000	0217	.036	0416	.057	0617	.081	(0717)	.11	0917	.13
20,000	0218	.031	0417	.050	0618	.071	(0718)	.094	0918	.11
25,000	0219	.028	0418	.045	(0619)	.063	(0719)	.083	0919	.095
30,000	0220	.026			0620	.058	(0720)	.076	0920	.087
35,000	(0221)	.024	(0419)	.032						
40,000	0222	.022			(0621)	.050	0721	.066	0921	.075
50,000	0224	.019	0420	.026	0622	.045	0722	.059	0922	.067
60,000	0225	.016			(0623)	.041	0723	.054	(0923)	.061
70,000	0226	.103								
75,000			(0421)	.021	0624	.032	(0724)	.048	(0924)	.055
80,000	(0227)	.012								
100,000	0229	.0094	0422	.018	0625	.028	0725	.042	0925	.047
125,000			(0423)	.017						
150,000			(0424)	.015						
175,000			(0425)	.014						
200,000			0426	.012						
250,000			0428	.010						

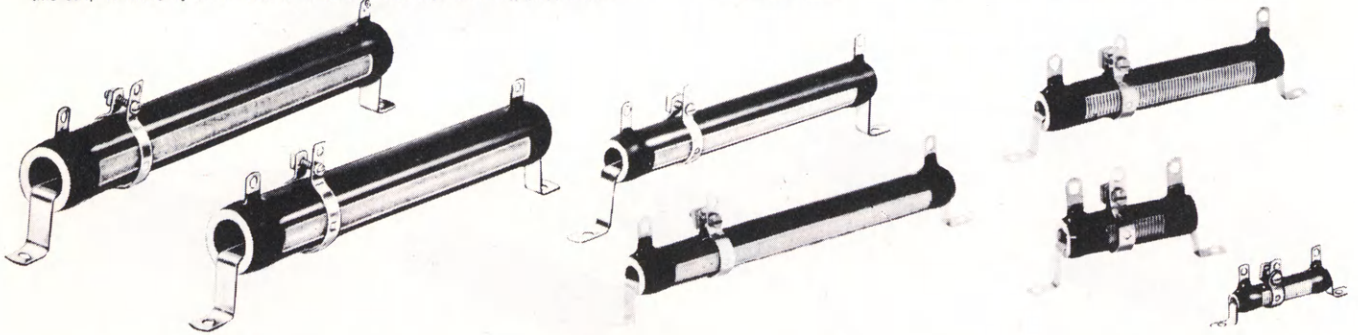
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OHMITE® dividohm® type 210 adjustable vitreous enameled resistors

"Dividohm" resistors make ideal voltage dividers for original equipment and replacement in transmitters, rectifiers and other apparatus. Such tapped "bleeders" are made by using one or more adjustable lugs, as required. "Dividohms" are also handy for obtaining odd resistance values, for adjusting circuits, and for use on equipment which must be set to meet various line voltages.

"Dividohm" resistors are vitreous enameled resistors on which a narrow strip has been left uncovered to expose a portion of each turn. Contact to any wire in this strip is made by an embossed contact on the adjustable lug (supplied).

WATT RATING: The stated wattage rating applies only when the entire resistance is in the circuit. When the adjustable lug is set at an intermediate point, the wattage rating is reduced in approximately the same proportion, i.e., if the lug is set at half the resistance, the wattage is reduced by one-half. A safe rule to follow is to make sure that the maximum rated current is not exceeded. This should be carefully checked particularly if the resistor will be used as a voltage divider with several adjustable lugs. Resistance tolerance is $\pm 10\%$ for the total resistance value.



12 WATT Core: 1 3/4" x 5/16" D. Mtg. Ctr: 2 3/16" — Av. Wt. .02 lb. Std. Mtg. Brkt.* No. 5			25 WATT Core: 2" x 3/16" D. Mtg. Ctr: 2 3/4" — Av. Wt. .05 lb. Std. Mtg. Brkt.* No. 9			50 WATT Core: 4" x 3/16" D. Mtg. Ctr: 4 3/4" — Av. Wt. .09 lb. Std. Mtg. Brkt.* No. 9			75 WATT Core: 6" x 3/16" D. Mtg. Ctr: 6 3/4" — Av. Wt. .15 lb. Std. Mtg. Brkt.* No. 9			100 WATT Core: 6 1/2" x 3/4" D. Mtg. Ctr: 7 3/4" — Av. Wt. .20 lb. Std. Mtg. Brkt.* No. 12			175 WATT Core: 8 1/2" x 1 1/4" D. Mtg. Ctr: 9 3/4" — Av. Wt. .50 lb. Std. Mtg. Brkt.* No. 18			225 WATT Core: 10 1/2" x 1 1/4" D. Mtg. Ctr: 11 3/4" — Av. Wt. .52 lb. Std. Mtg. Brkt.* No. 18		
Resist. Ohms	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.	Cat. No. ¹	Max. Amps.		
1	1001	3.46	0360	5.00	0560A	7.07	0769A	8.66	0956A	10.0	1156A	13.2	1356A	15.00						
2	1002	2.45	0360B	3.54	0560B	5.00	0769B	6.12	0956B	7.07	1156B	9.35	1356B	10.60						
3	1003	2.00	0361	2.88	0560C	4.07	0769C	5.00	0956C	5.77	1156C	7.63	1356C	8.67						
4					0560D	3.53	(0769D)	4.33	0956D	5.00	1156D	6.60	1356D	7.50						
5	1004	1.54	0362	2.24	0560	3.16	0769	3.87	0956	4.47	1156	5.92	1356	6.72						
7.5	1005	1.26	0362B	1.82																
10	1006	1.09	0363	1.58	0561	2.23	0770	2.74	0957	3.16	1157	4.18	1357	4.74						
15	1007	.89	0364	1.29			0771	2.24												
20	1008	.77	0364B	1.12			0772	1.73	0958	2.00	1158	2.64	1358	3.00						
25	1009	.69	0365	1.00	0562	1.41	0773	1.22	0959	1.41	1159	1.87	1359	2.12						
50	1010	.49	0366	.71	0563	1.00	0773	1.22	0959	1.41	1159	1.87	1359	2.12						
75	1011	.40	0367	.58	0564	.82														
100	1012	.34	0368	.50	0565	.71	0774	.86	0960	1.00	1160	1.32	1360	1.50						
150	1013	.28	0369	.41	0566	.58														
200	1014	.24	0370	.35	0567	.50	0774B	.61												
250	1015	.22	0371	.32	0568	.45	0775	.55	0960B	.63	1160B	.84	1360B	.95						
300	1016	.20	0371B	.29	0568B	.41	0775B	.50												
350	(1017)	.18																		
400	1018	.17	0371C	.25	0568C	.35	0775C	.43												
500	1019	.15	0372	.22	0569	.32	0776	.39	0961	.45	1161	.59	1361	.67						
600	(1020)	.14																		
750	1021	.13	0373	.18	0570	.26	0777	.32												
800	(1022)	.12	0374	.17	0571	.25	(0777B)	.30												
1000	1023	.11	0375	.16	0572	.22	0778	.27	0962	.32	1162	.42	1362	.47						
1250	1024	.098	0375B	.14	0572B	.20	(0778B)	.24												
1500	1025	.089	0376	.13	0573	.18	(0779)	.22	0962B	.26	1162B	.34	1362B	.39						
2000	1026	.077	0377	.12	0574	.16	(0780)	.19												
2250	(1027)	.073	0377B	.11	(0574B)	.15	(0780B)	.18												
2500	1028	.069	0378	.10	0575	.14	(0781)	.17	0963	.20	1163	.26	1363	.30						
3000	1029	.063	0379	.091	0576	.13	(0781B)	.16												
3500	(1030)	.058	0380	.084	0576B	.12	(0782)	.15												
4000	1031	.055	(0381)	.079	0577	.11	(0782B)	.14												
4500	(1032)	.052	0381B	.074	(0577B)	.10	(0782C)	.13												
5000	1033	.049	0382	.070	0578	.10	(0783)	.12	0964	.14	1164	.19	1364	.21						
6000	1034	.045	0383	.064	(0578B)	.091	(0783B)	.11												
7000	1035	.042	0383B	.060	0578C	.084	(0783C)	.10												
7500	1036	.040	0384	.057	0579	.081	(0784)	.10												
8000	(1037)	.039	(0384B)	.055	(0580)	.079	(0784B)	.096												
8500	(1038)	.037																		
9000	(1039)	.036	(0384C)	.052	0580B	.074	(0784C)	.091												
10000	1040	.035	0385	.050	0581	.071	(0785)	.086	0965	.10	1165	.13	1365	.15						
12000			(0386)	.042	(0582)	.064	0785B	.079												
15000			0387	.036	0583	.057	(0786)	.070	(0966)	.081	(1166)	.11	1366	.13						
20000			0388	.031	0584	.050	0787	.061	(0967)	.071	(1167)	.094	1367	.11						
25000			0389	.028	0585	.045	(0788)	.054	(0968)	.063	(1168)	.083	1368	.095						
30000					0586	.036	(0789)	.050	(0969)	.058	(1169)	.076	(1369)	.087						
35000							0790	.046												
40000					0587	.029	(0791)	.043	(0970)	.050	(1170)	.066	(1370)	.075						
45000							(0792)	.035												
50000					0588	.026	(0793)	.033	0971	.045	(1171)	.059	1371	.067						
60000					(0589)	.024	(0794)	.030												
75000									(0972)	.032	(1172)	.048	1372	.055						
80000					(0590)	.021	(0795)	.026												
100000					0591	.018	(0796)	.023	0973	.028	(1173)	.042	1373	.047						

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*Mounting brackets are automatically supplied in individual unit packs; supplied only when specified in bulk packs.

adjustable lugs

One "Screw Driver Type Adjustable Lug" is supplied with each unit. Lugs with a silver contact button can be ordered from the table shown below.

MOVING THE LUGS: Lugs always should be loosened completely before moving

STANDARD

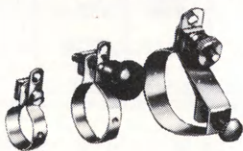
Core Diam. Inches	Screw Driver Type		Bakelite Knob Type	
	New Cat. No.	Old Cat. No.	New Cat. No.	Old Cat. No.
5/16	2115	1058	—	—
3/8	2121	0358	2122	0359
1/2	2125	1958	2126	1959
3/4	2133	2158	2134	2159

With SILVER CONTACT BUTTONS

Core Diam. Inches	Screw Driver Type		Bakelite Knob Type	
	New Cat. No.	Old Cat. No.	New Cat. No.	Old Cat. No.
5/16	2116	2161	—	—
3/8	2123	2164	2124	2165
1/2	2127	2166	2128	2167
3/4	2135	2170	2136	2171

DOUBLE THUMB SCREW ADJUSTABLE LUG

This adjustable lug, which is illustrated at left, features two advantages — ease of adjustment and less chance of damaging the resistance wire while moving lugs. Available for 1/8" cores. Catalog No. 2160



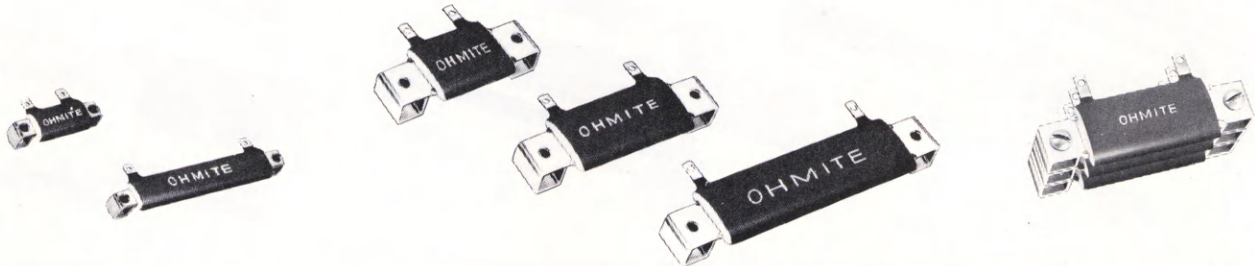
OHMITE® type 250 "THIN" vitreous enameled resistors

Ohmite "Thin" Resistors are intended for use in equipment where space is at a premium. They are wound on flat, oval shaped ceramic cores, and covered with Ohmite's exclusive vitreous enamel coating. Resistance tolerance, $\pm 5\%$.

Integral mounting brackets extend through the resistor core to equalize heat distribution and to conduct heat directly to the mounting surface — provides equivalent wattage with less bulk and in less space. Wattage ratings assume the use of a metal mounting surface. Reduce ratings 15% for non-metallic surfaces.

"Thin" resistors are mounted or compactly stacked by means of spacing brackets which are perforated to receive assembly bolts. The load should be reduced for each unit when resistors are stacked or used in confined, poorly ventilated spaces. Total height from mounting surface to top of resistor is approximately $\frac{3}{8}"$ for the Standard units and $\frac{1}{4}"$ for the Miniature units.

For other sizes, closer tolerances, non-stacking brackets, Dividohm adjustable or other features, consult factory.



STACKOHM® MINIATURE SIZES²

STACKOHM® STANDARD SIZES

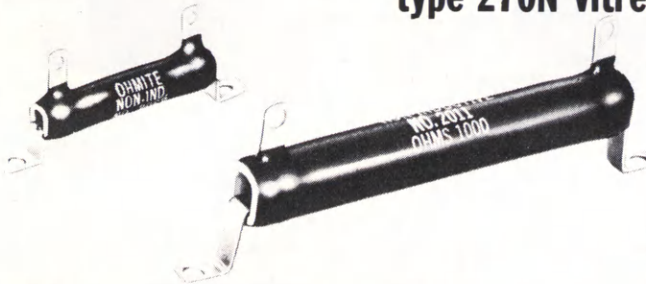
10 WATT* Core: ¾" x ¾" x ¼" — Mtg. Ctr. 1" — Mtg. Hole .125" — Av. Wt. .007 lb.				20 WATT* Core: 2" x ¾" x ¼" — Mtg. Ctr. 2⅛" — Mtg. Hole .125" — Av. Wt. .015 lb.			30 WATT* Core: 1¼" x 1" x ¼" — Mtg. Ctr. 2" — Mtg. Hole .196" — Av. Wt. .037 lb.			40 WATT* Core: 2" x 1" x ¼" — Mtg. Ctr. 2¾" — Mtg. Hole .196" — Av. Wt. .052 lb.			55 WATT* Core: 3½" x 1" x ¼" — Mtg. Ctr. 4¼" — Mtg. Hole .196" — Av. Wt. .095 lb.		
Resist. Ohms	Cat. No. ¹	Max. Volts	Max. Amps	Cat. No. ¹	Max. Volts	Max. Amps	Cat. No. ¹	Max. Volts	Max. Amps	Cat. No. ¹	Max. Volts	Max. Amps	Cat. No. ¹	Max. Volts	Max. Amps
1	F101	3.16	3.16	F201	4.47	4.47	F301	5.47	5.47	F401	6.32	6.32	F501	7.42	7.42
1.5							F302	6.70	4.47	F402	7.74	5.16	F502	8.25	6.05
2	F102	4.47	2.24	F202	6.32	3.16	F303	7.74	3.88	F403	8.94	4.47	F503	10.4	5.24
3							F304	9.45	3.17	F404	10.9	3.65	F504	12.8	4.28
4										F405	12.6	3.16	F505	14.8	3.70
5	F103	7.07	1.41	F203	10.0	2.00	F305	12.2	2.46	F406	14.1	2.83	F506	16.6	3.32
7.5	F104	8.66	1.15							F407	17.3	2.31	F507	20.6	2.72
10	F105	10.0	1.00	F204	14.1	1.41	F306	17.3	1.73	F408	20.0	2.00	F508	23.4	2.34
15	F106	12.2	0.82	F205	17.3	1.16	F307	21.2	1.42						
20	F107	14.1	0.71												
25	F108	15.8	0.63	F206	22.3	0.89	F308	27.4	1.10	F409	31.6	1.26	F509	37.1	1.48
30	F109	17.3	0.58												
40	F110	20.0	0.50	F207	28.3	0.71	F309	34.6	0.87	(F410)	40.0	1.00	F510	46.9	1.17
50	F111	22.3	0.45	F208	31.6	0.63	F310	38.7	0.77	F411	44.7	0.89	F511	52.4	1.05
75	F112	27.4	0.36	F209	38.7	0.52	F311	47.4	0.63	(F412)	54.8	0.73	F512	64.2	0.86
100	F113	31.6	0.32	F210	44.7	0.45	F312	54.8	0.55	F413	63.2	0.63	F513	74.1	0.74
125	F114	35.3	0.28												
150	F115	38.7	0.26	F211	54.8	0.36	(F313)	67.0	0.45	F414	77.4	0.52	(F514)	82.5	0.61
200	F116	44.7	0.22	F212	63.2	0.32	F314	77.4	0.39	F415	89.4	0.45	F515	104.0	0.52
250	F117	50.0	0.20	F213	70.7	0.28	F315	86.6	0.35	F416	100.0	0.40	F516	117.0	0.47
300	F118	54.8	0.18	F214	77.4	0.26									
400	F119	63.2	0.16	F215	89.4	0.22	F316	108.0	0.28	F417	126.0	0.32	F517	148.0	0.37
500	F120	70.7	0.14	F216	100.0	0.20	F317	122.0	0.25	F418	141.0	0.28	F518	166.0	0.33
600	F121	77.4	0.13												
750	F122	86.6	0.12				F318	150.0	0.20	F419	173.0	0.23	F519	206.0	0.27
800				F217	126.0	0.16									
1000	F123	100.0	0.10	F218	141.0	0.14	F319	173.0	0.17	(F420)	200.0	0.20	(F520)	234.0	0.23
1250	(F124)	111.0	0.089	F219	158.0	0.12									
1500	F125	122.0	0.081	(F220)	173.0	0.12	(F320)	212.0	0.14	(F421)	245.0	0.16	F521	287.0	0.19
1750	(F126)	132.0	0.075												
2000	F127	141.0	0.071	F221	200.0	0.10	F321	245.0	0.12	F422	283.0	0.14	(F522)	332.0	0.17
2500	F128	158.0	0.063	(F222)	223.0	0.089	F322	274.0	0.11	(F423)	316.0	0.13	F523	371.0	0.15
3000	F129	173.0	0.057	(F223)	245.0	0.081	(F323)	300.0	0.10	(F424)	345.0	0.12	F524	406.0	0.14
3500				F224	264.0	0.075									
4000	F130	200.0	0.050	(F225)	283.0	0.070	F324	346.0	0.087	(F425)	400.0	0.10	F525	469.0	0.12
5000	(F131)	223.0	0.045	F226	316.0	0.063	(F325)	387.0	0.076	F426	447.0	0.089	F526	524.0	0.10
6000				(F227)	346.0	0.058									
7500				(F228)	387.0	0.052	(F326)	424.0	0.057	(F427)	548.0	0.073	(F527)	642.0	0.086
10000				F229	445.0	0.045	(F327)	490.0	0.049	F428	632.0	0.063	(F528)	741.0	0.074
12500				(F230)	500.0	0.040									
15000				F231	555.0	0.036				F429	670.0	0.045	(F529)	825.0	0.061
20000				F232	625.0	0.032				(F430)	774.0	0.039	(F530)	1040.0	0.052
25000				F233	715.0	0.028				F431	866.0	0.035	(F531)	1170.0	0.047
30000				(F234)	770.0	0.026							(F532)	1210.0	0.040
35000				(F235)	835.0	0.024									
40000				(F236)	910.0	0.022									
50000				F237	990.0	0.020									

*Popular items appear in BOLD and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

*Ratings are based on use of steel panel mounting and should be reduced on non-metallic mounting surface because of reduced thermal conductivity.

²When resistors are stacked, it is recommended that washers (quantity as required) be used.

OHMITE® non-inductive type 270N vitreous enameled fixed resistors



These non-inductively wound power resistors are widely used at radio frequencies for such purposes as dummy antennas, terminating resistors for antennas, and in diathermy apparatus. Their properly proportioned Ayrton-Perry type windings, reduce the inductance to low proportions (less than 1% of regular solenoid type resistors) while the distributed capacity is small. R.F. resistance is the same as the D.C. resistance over the useful range of frequencies.

Change of impedance with frequency is so slight that the resistors can be used throughout the broadcast band and at even higher frequencies, depending on the particular resistance to be used. All the resistors are lug-type tubular units which mount by means of mounting brackets (furnished). Ohmite's high grade ceramic construction and exclusive vitreous enamel coating assure long, reliable performance under full rated load. Resistance tolerance is $\pm 5\%$.

12 WATT Core: 1/4" x 5/16" Mtg. Ctr. 2 3/16" — Av. Wt. .02 lb. Std. Mtg. Brkt.* No. 58					
Ohms	Cat. No. ¹	Max. Milliamps	Ohms	Cat. No. ¹	Max. Milliamps
5	2050	1,540	600	(2066)	140
10	2051	1,090	700	(2067)	130
15	2052	890	800	(2068)	120
20	2053	770	900	(2069)	110
25	2054	690	1,000	2070	110
30	2055	630	1,500	2071	89
40	2056	550	2,000	(2072)	77
50	2057	490	2,500	2073	69
75	2058	400	3,000	(2074)	63
100	2059	340	4,000	2075	54
150	2060	280	5,000	2076	49
200	(2061)	240	6,000	(2077)	44
250	2062	220	7,500	2078	40
300	(2063)	200	8,000	(2079)	38
400	(2064)	170	9,000	(2080)	36
500	2065	150	10,000	2081	35

50 WATT Core: 1/2" x 3/4" Mtg. Ctr. 2 3/4" — Av. Wt. .09 lb. Std. Mtg. Brkt.* No. 98			100 WATT Core: 5/8" x 3/4" Mtg. Ctr. 3 1/4" — Av. Wt. .20 lb. Std. Mtg. Brkt.* No. 128			175 WATT Core: 3/4" x 1 1/4" Mtg. Ctr. 3 3/4" — Av. Wt. .50 lb. Std. Mtg. Brkt.* No. 188		
Resist. Ohms	Cat. No. ¹	Max. Milliamps	Cat. No. ¹	Max. Milliamps	Cat. No. ¹	Max. Milliamps	Cat. No. ¹	Max. Milliamps
5	2001	3,160	2201	4,470	2401	5,920		
10	2002	2,230	2202	3,160	2402	4,180		
25	2003	1,410	2203	2,000	2403	2,640		
50	2004	1,000	2204	1,410	2404	1,870		
100	2005	710	2205	1,000	2405	1,320		
150	2006	580	(2206)	816	2406	1,090		
200	2007	500	2207	707	(2407)	935		
250	(2008)	450	2208	630	2408	840		
500	2009	320	2209	450	2409	590		
750	2010	260	2210	365	(2410)	480		
1000	2011	220	2211	320	2411	420		
1500	(2012)	180	(2212)	260	(2412)	340		
2000	2013	160	(2213)	224	(2413)	290		
2500	2014	140	(2214)	200	2414	260		
3000	(2015)	130	2215	180	(2415)	240		
3500	(2016)	119	(2216)	169	(2416)	222		
4000	(2017)	110	(2217)	158	2417	208		
5000	2018	100	2218	140	(2418)	190		

thru-bolts

Thru-bolts with centering and mica insulating washers are used to mount tubular resistors perpendicularly to a panel, up to 1/4" thick.

For Watt Size	Core Size O.D. x I.D. x L. (Inches)	No.	Bolt Size Length (Inches)	Cat. No.
5	5/16 x 3/16 x 1	No. 8	1 3/4	7PA5
12	5/16 x 3/16 x 1 3/4	No. 8	2 1/2	7PA10
20	7/16 x 1/4 x 2	No. 8	2 3/4	7PA20
25	5/16 x 3/16 x 2	No. 10	2 3/4	7PA25
50	5/16 x 3/16 x 4	No. 10	4 3/4	7PA50
75	5/16 x 3/16 x 6	No. 10	6 3/4	7PA75
100	3/4 x 1/2 x 6 1/2	No. 10	7 1/16	7PA100
175	1 1/8 x 3/4 x 8 1/2	1 1/8	9 1/2	7PA160
225	1 1/8 x 3/4 x 10 1/2	1 1/8	11 1/2	7PA200

METAL CENTERING WASHERS

Cat. No.	O.D. of Core	I.D. of Core	Dia. of Washer	Dia. of Hole	For Max. Screw Size
6000	5/16"	5/16"	3/16"	.190	#10
6001	3/4"	1/2"	3/4"	.190	#10
6003	1 1/8"	3/4"	1 1/8"	.250	1/4"

MICA INSULATING WASHERS

Cat. No.	Core O.D.	I.D.	Washer O.D.	I.D.
6010	5/16"	5/16"	3/4"	3/16"
*6011	5/16"	5/16"	3/4"	5/16"
6012	3/4"	1/2"	1"	3/16"
*6013	3/4"	1/2"	1"	1/2"
6014	1"	5/8"	1 1/4"	3/16"
*6015	1"	5/8"	1 1/4"	9/16"
6016	1 1/8"	3/4"	1 1/2"	3/16"
*6017	1 1/8"	3/4"	1 1/2"	3/4"

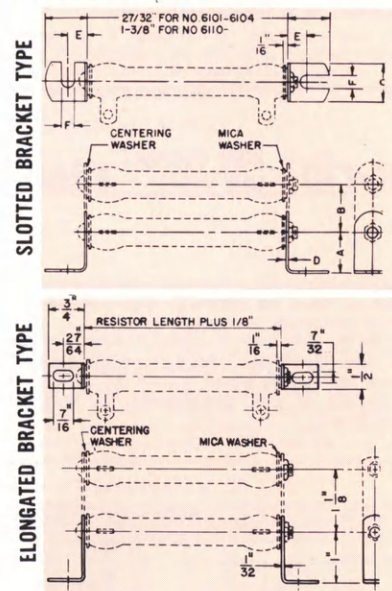
*To be used with centering washers.

thru-bolt and mounting brackets

These sturdy plated steel brackets mount tubular resistors type 270 (fixed) and type 210 (adjustable Dividohm®) via thru-bolts and centering washers with mica insulating washers. Slotted, consisting of one end-slot and one side-slot bracket, and elongated styles are offered.

Thru-Bolt Bracket Cat. No.	Watt Size	For Fixed Type Cat. No.	For Dividohm Cat. No.
Slotted Style	Elongated Style		
—	6120-D-1 3/4	12	3723-3843
6101-2	6120-K-2	25	0200A-0229
6101-4	6120-K-4	50	0400A-0428
6101-6	—	75	—
6104-6 1/2	—	100	0600A-0625
6110-8 1/2	—	175	0700A-0725
6110-10 1/2	—	225	0900A-0925

Cat. No. Type	A	B	C	D	E	F
6101	2 5/32	1 5/16	3/4	1 1/32	7/16	1/4
6104	2 5/32	1 1/8	3/4	1 1/32	7/16	1/4
6110	1	1 3/4	1 1/8	1 1/16	1 3/16	5/16



mounting brackets for tubular resistors

Brackets fit inside the cores of tubular resistors and remain in place by friction. The standard bracket (indicated by catalog number without suffix) is plated steel. An "S" suffix on the catalog number indicates spring steel; a "B" suffix indicates brass; a "BN" suffix indicates brass bracket for 100 watt type 270N non-inductive resistor with flat sided core.

Spring steel brackets are excellent where vibration is involved; brass brackets are used with non-inductive resistors or for corrosion resistance. A pair of standard brackets is supplied with each individually boxed resistor sold through distributors. Brackets are not automatically supplied for bulk resistor orders. Brackets are sold in lots of 100 pieces (50 pair).

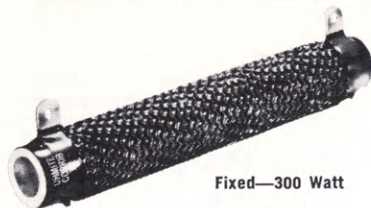
Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

*Mounting brackets are automatically supplied in individual unit packs; supplied only when specified in bulk packs.

Catalog No.*	Mtg. Screw Max.	Fits these Resistors	Weight Lb. 100 pcs.
5, 7, 9	5S, 7S, 9S	12 W Brown Devil or Divid.	.17
		20 W Brown Devil	.24
		25, 50W Fixed;	
		25, 50, 75W Dividohm	.30
12, 18	12S, 18S	100W Fixed or Dividohm	1.30
		175, 225W Fixed or Divid.	1.50

*100 pieces per pkg. — Minimum Order

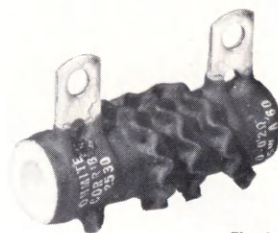
OHMITE® corrib® HIGH CURRENT LOW OHMS resistors



Fixed—300 Watt



Dividohm®
Adjustable—300 Watt



Fixed—35 Watt

High current, low resistance, heavy duty units used in motor starting, dynamic braking, etc. "Corrib" type units employ a corrugated ribbon of resistance alloy. This is space-wound edge-wise around a ceramic tube. Vitreous enamel is fused around the alloy ribbon to lock the turns securely in place. Extremely low resistance 35 watt values are OHMICONE® (silicone-ceramic) coated. Heavy lug terminals. Resistance tolerance is $\pm 10\%$.

Core: $8\frac{1}{2} \times 1\frac{1}{2}$ " 300 Watt Fixed or Adjustable (DIVIDOHM)
Avg. Weight (Fixed) .61 lb.; (Dividohm) .64 lb.

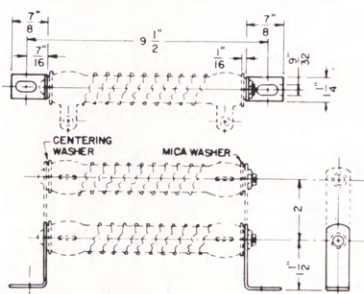
Ohms	Amps.	Fixed ¹ Catalog No.	Dividohm ¹ Catalog No.
.10	54.7	2501	2601
.12	50.0	2502	2602
.16	43.3	2503	2603
.20	38.7	2504	2604
.25	34.6	2505	2605
.31	31.1	2506	2606
.40	27.4	2507	2607
.50	24.5	2508	2608
.63	21.8	2509	2609
.80	19.3	2510	2610
1.0	17.3	2511	2611
1.2	15.8	2512	2612
1.6	13.7	2513	2613
2.0	12.2	2514	2614
2.5	10.9	2515	2615
3.1	9.8	2516	2616
4.0	8.6	2517	2617
5.0	7.7	2518	2618
6.3	6.9	2519	2619
8.0	6.1	2520	2620
10.0	5.5	2521	2621
12.0	5.0	2522	2622
16.0	4.3	2523	2623
20.0	3.8	2524	2624

*Adjustable Lug Stk. No. 1974 supplied with Dividohm.

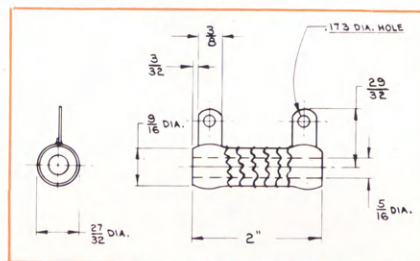
THRU BOLT MOUNTING BRACKETS FOR 300 WATT CORRIBS

Includes 2 brackets; bolt; centering, mica, and lock washers; nuts. Diagram below.

No. of Resistors	Catalog No.
1	6126P8½*
2	6127P8½*
3	6128P8½*
4	6129P8½*



* Derate when stack mounting



Ohms	Current (Max. Amps.)	Catalog Number ¹
0.02	41.8	2530
0.04	29.6	2531
0.06	24.2	2532
0.08	20.9	2533
0.10	18.7	2534
0.15	15.3	2535
0.20	13.2	2536
0.25	11.8	2537
0.30	10.8	2538
0.40	9.4	2539
0.50	8.4	2540
0.60	7.6	2541
0.80	6.6	2542
1.00	5.9	2543
1.25	5.3	2544

EXTRA ADJUSTABLE LUGS FOR 300 WATT CORRIBS

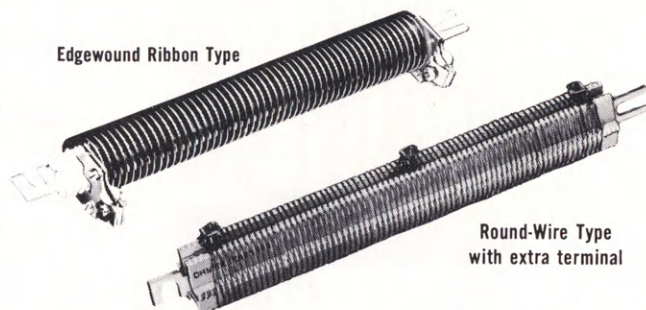
For Dividohm	Lug Catalog No.
2601-2606	1974-B
2610-2619	
2607-2609	1974-A
2611-2618	
2620-2624	

powr-rib® HIGH CURRENT LOW OHMS resistors

Even higher power handling capability—approximately 700 to 1000 watts—is available in stock "Powr-Rib" resistors. These are UNCOATED types and are wound either edgewise with ribbon ("Edgewound" type) or with round wire (Round-Wire type).

The core of these units consists of ceramic segments on a metal bar which is slotted on both ends for rapid installation. Standard resistance tolerance is $\pm 10\%$. Terminals clamp onto the resistor wire and may be moved in from the ends for intermediate resistance values. Extra terminals available for use as taps. See diagrams for terminals. Terminal Stk. No. 2172G (not shown) has screw connections.

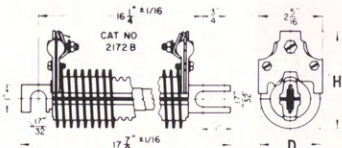
Edgewound Ribbon Type



Round-Wire Type
with extra terminal

STYLE 080-5 EDGEWOUND POWR-RIBS

Ohms*	H $\pm \frac{1}{8}$	D $\pm \frac{1}{8} - 0$
.10-.22	$3\frac{3}{8}$	$2\frac{1}{8}$
.25-1.00	$3\frac{1}{8}$	$1\frac{7}{8}$
1.30-1.60	$2\frac{1}{2}$	$1\frac{7}{8}$
2.2, 2.8, 4.5, 5.4	$2\frac{1}{2}$	$1\frac{3}{4}$
3.5, 6.8, 8.5	$2\frac{1}{2}$	$1\frac{1}{8}$



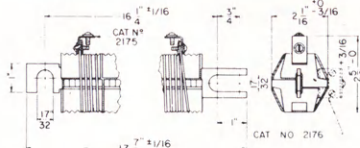
*.10 to 1.00 Ω with terminal No. 2172B

1.3 to 8.5 Ω with terminal No. 2172G

Avg. Weight .18 Ω or less, 4 lbs.; .22 Ω and up, 2 lbs.

Catalog No. ¹	Ohms	Max. Amps.	Catalog No. ¹	Ohms	Max. Amps.
2301	.10	100	2318	.67	41
2302	.12	91	2311	.75	39
2303A	.14	89	2312	1.00	33
2304A	.16	78	2319	1.30	29
2305A	.18	75	2313	1.60	26
2306A	.22	68	2331A	2.20	18.4
2306	.25	63	2332A	2.80	16.3
2308A	.30	57	2333A	3.50	14.6
2308	.33	54	2334A	4.50	12.7
2309A	.37	50	2335A	5.40	11.8
2310	.50	47	2336A	6.80	10.3
2317	.60	43	2337A	8.50	9.4

STYLE 082-5 ROUND-WIRE POWR-RIBS



Avg. Weight $3\frac{3}{4}$ lbs.

Catalog No. ¹	Ohms	Max. Amps.
2338	11.0	8.3
2339	13.0	7.6
2340	17.0	6.6
2341	20.0	5.9
2342	25.0	5.1

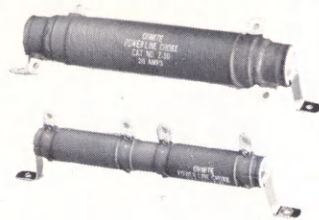
EXTRA TERMINALS

For Round Wire Powr-Rib		For Edgewound Powr-Rib	
Description	Catalog No.	Description	Catalog No.
In-Line Mtg.	2175	30 Amps & more	2172B
90° Mtg.	2176	29 Amps & less	2172G

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OHMITE®

power line chokes

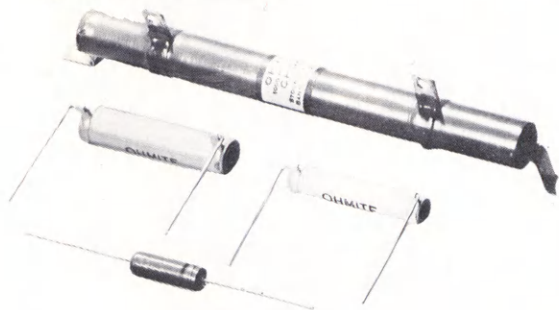


Catalog No.¹	Inductance Microhenries	Amps.	Total D.C. Ohms	Core	Weight lbs.
Z-20	14	5	0.15	4" x 9/16"	.11
Z-21	15	10	0.07	6 1/2" x 3/4"	.31
Z-22	18	20	0.045	8 1/2" x 1 1/8"	.73
Z-30	110	20	0.085	8 1/2" x 1 1/8"	1.45

*One section is wound as a second layer over the other.
Non-magnetic brackets furnished with each choke.

Prevents high-frequency currents of radio transmitters, diathermy and therapeutic equipment from going out over the power lines and interfering with nearby radio receiving sets. They are used as filters in conjunction with two grounding capacitors of 0.1 microfarad capacity each. The Z-20 Choke is also used at radio receivers to keep out interference. All chokes consist of two, single-layer windings on a single ceramic core, insulated and protected by a moisture-proof coating.

radio frequency plate chokes



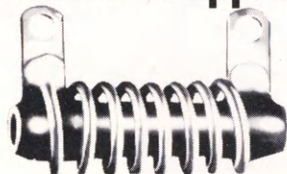
Chokes of the four highest frequencies are wound on low power factor plastic cores while the other three units are wound on steatite tubes. Windings are insulated and protected by a moisture-proof coating. The single-layer winding is designed to avoid adverse harmonic effects

Catalog No.¹	Operating Range	Inductance Microhenries	D.C. Res. Ohms*	Rated Current Amps	Resonant Freq. Mc	Optimum Operating Freq. Mc	Core	Wt. Lbs.
Z-7	3 to 20 Mc.	84.0	4.70	1.00	13	7	6" x 9/16"	.106
Z-14	7 to 35 Mc.	44.0	2.60	0.68	23	14	2" x 7/16"	.026
Z-28	20 to 60 Mc.	21.0	2.70	0.60	41	28	1 3/4" x 9/16"	.011
Z-50	35 to 110 Mc.	7.0	0.98	1.00	79	50	1" x 9/32"	.005
Z-144	80 to 200 Mc.	1.8	0.33	1.10	168	144	3/4" x 9/16"	.002
Z-235	160 to 350 Mc.	0.84	0.14	1.70	300	235	3/4" x 9/16"	.002
Z-460	320 to 520 Mc.	0.20	0.034	4.00	500	460	1/2" x 9/32"	.001

and also prevents breakdown from high r.f. potentials. Non-magnetic mounting brackets are furnished with the largest size, Z-7. The Z-14 and Z-28 have wire leads welded to lug type terminals; the Z-50, Z-144, Z-235 and Z-460 have axial-type wire leads.

Any one of these chokes may be selected for a particular frequency within its recommended operating range with the assurance that it will give excellent performance. Selection should be made, however, subject to the following qualification. It is generally advisable to select a choke with a resonant frequency (see chart) slightly higher than the desired operating frequency since any additional capacity to ground will tend to shift the resonant frequency closer to the operating frequency.

parasitic suppressor

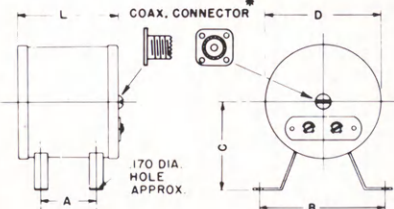
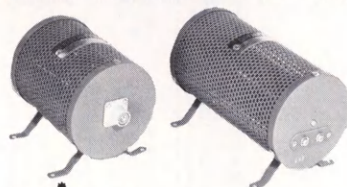


The P-300 Suppressor is designed to prevent unwanted ultra-high-frequency parasitic oscillations which occur in the plate and grid leads of push-pull and parallel tube circuits. The P-300 is a non-inductive, 50 ohm, vitreous enameled resistor combined with a choke

(in parallel) of 3 microhenries inductance and .003 ohms D.C. resistance. The two form a small integral unit only 1 3/4" long overall and 21/32" diameter. The unit may be mounted directly in the grid lead without extra support.

Catalog No. P-300 Wt. .04 lb.

dummy-antenna resistors NON-INDUCTIVE



Ohmite Models D-101 and D-251 Dummy Antenna Resistors provide a simple, accurate, and direct means of measuring R.F. power for the radio amateur, experimenter and manufacturer and for operators of aviation, police and broadcast stations. The dummy antenna resistors feature constant R.F. resistance (within their recommended frequency range), low reactance, high wattage dissipation, and compactness. Actual D.C. resistance tolerance is $\pm 5\%$.

The residual inductance and distributed capacitance have been kept to a minimum, thereby making the natural resonant frequency as high as possible. These factors and the D.C. resistance have been proportioned in such a manner as to give the best possible response characteristics. This resistor may be considered practically a "Non-Reactive Resistor."

Catalog Number	A	B	C	D	L
D-101-52*, D-101-73*	1 1/2	3 1/2	2 3/8	3 5/32	2 23/32
(D-101-300), D-101-600	2 3/4	3 1/2	2 3/8	3 5/32	4 7/32
D-251-52*, (D-251-73)*	3 1/8	3 7/8	2 1/2	3 23/32	4 19/32
(D-251-300), (D-251-600)	5 1/8	3 7/8	2 1/2	3 23/32	6 13/16

*Employs coax connector.

FREQUENCY CHARACTERISTICS OF OHMITE DUMMY ANTENNAS

Type	D-101				D-251			
Resistance	52 Ohms	73 Ohms	300 Ohms	600 Ohms	52 Ohms	73 Ohms	300 Ohms	600 Ohms
Maximum frequency at which $R_s = R_{dc} \pm 10\%$	22 mc	38 mc	22 mc	31 mc	19 mc	21 mc	15 mc	19 mc
R_s at this frequency	1.10 R _{dc}	1.10 R _{dc}	1.10 R _{dc}	.90 R _{dc}	1.10 R _{dc}	1.10 R _{dc}	1.10 R _{dc}	.90 R _{dc}
Z at this frequency	1.18 R _{dc}	1.14 R _{dc}	1.10 R _{dc}	.99 R _{dc}	1.25 R _{dc}	1.13 R _{dc}	1.15 R _{dc}	1.00 R _{dc}
Maximum frequency at which $Z = R_{dc} \pm 10\%$	18 mc	32 mc	22 mc	60 mc	13 mc	19 mc	13 mc	30 mc
R_s at this frequency	1.06 R _{dc}	1.07 R _{dc}	1.10 R _{dc}	.60 R _{dc}	1.03 R _{dc}	1.07 R _{dc}	1.08 R _{dc}	.64 R _{dc}
Z at this frequency	1.10 R _{dc}	1.10 R _{dc}	1.10 R _{dc}	.90 R _{dc}	1.10 R _{dc}	1.10 R _{dc}	1.10 R _{dc}	.90 R _{dc}

Cat. No.¹	Watts	$\pm 5\%$ Ohms	Net Lbs.
D-101-52	100	52	.60
D-101-73	100	73	.60
(D-101-300)	100	300	.65
D-101-600	100	600	.65
D-251-52	250	52	1.25
(D-251-73)	250	73	1.25
(D-251-300)	250	300	1.50
(D-251-600)	250	600	1.50

R_s D.C. Resistance of Dummy Antenna
Effective Series Resistance of Dummy Antenna
Z Scalar Value of Impedance of Dummy Antenna

¹ Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

OHMITE® Little Rebel® carbon film resistors

high stability • low noise • extra long life



High stability, very low noise level, and exceptionally long life make these resistors ideal for applications requiring a steady low power drop. Their accuracy and consistency are relatively unaffected by adverse environmental conditions.

Resistors of 10 to 1M have a homogenous film of pure carbon deposited on a high grade ceramic body by cracking a hydrocarbon gas. Resistors having values lower than 10 have a nickel film instead of cracked carbon.

Contact caps of special alloy are pressed onto the ends of the resistor body to which the tin coated electrolytic copper connecting wires are welded. Finally the resistors are coated with three or more layers of a special lacquer for electrical, mechanical and environmental protection. This special lacquer will withstand regular industrial cleaning solutions used for cleansing printed circuit boards.

SPECIFICATIONS

Ratings	1/8W	1/4W	1/2W
Power rating P_{nom}			
$T_A \leq 70^\circ C$	0.125W	0.25W	0.5W
Maximum voltage AC or DC	150V	250V	350V
Voltage (RMS) that may be applied for 1 sec. across insulated coat	300V	500V	700V
Insulation resistance	10 ⁴ MΩ	10 ⁴ MΩ	10 ⁴ MΩ

Ambient temperature -55°C to +155°C
Temperature coefficient see figure 2
Noise voltage see figure 1

Voltage Breakdown
2x limiting voltage for 1 min. between terminals of resistor and metal foil no breakdown or flashover

Short Term Overload (Room Temperature)
Loaded 5 sec. at 6.25 P_{max} at 25°C (not to exceed 2x maximum voltage)
10 cycles: 5 sec. on
10 sec. off

Shelf Test
At 25°C_{nom} for 12 months
 ΔR_{max} 1%

Temperature Cycling
5 cycles: 3 hours -55°C
3 hours +155°C
 ΔR_{max} 0.5% or 0.5%

Humidity Specifications
After long-term exposure to damp heat at 40°C, 5 VDC
RH = 90-95% for 56 days with no drying
5 VDC
 ΔR_{max} for R_{nom} under 220KΩ 1.5%
 R_{nom} over 220KΩ 3.0%

Solder Test (thermal shock)
Terminations immersed for 3 sec. up to .24 inches from end cap in solder bath at 350°C
 ΔR_{max} 0.5% or 0.5%

Lead Test
a. Tensile
diameter .024-.032 inches; load 2.20 lbs.; 10 sec.
diameter >.032 inches; load 4.41 lbs;
10 sec. no damage
b. Bending
diameter .024-.032 inches; load 1.10 lbs; 4 x 90°
diameter >.032 inches; load 2.20 lbs.;
4 x 90° no damage
c. Torsion
2 x 360° in opposite directions no damage
 ΔR_{max} (for all tests) 0.5% or 0.5%

Shock Test
3 x 1500 shocks in three directions: 50 G;
 ΔR_{max} 0.5% or 0.5%

Vibration
Frequency: 10-500 Hz
Displacement 0.06 inches or acceleration 10 G;
three directions; total 9 hrs.
 ΔR_{max} 0.5% or 0.5%

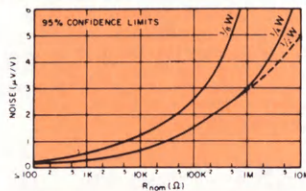
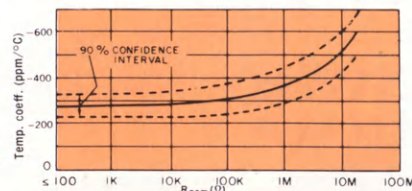


Figure 1. Noise as a function of the resistance value, applicable to all resistor wattages (as per IEC specifications 195; Method of measurement of current noise generated in fixed resistors).

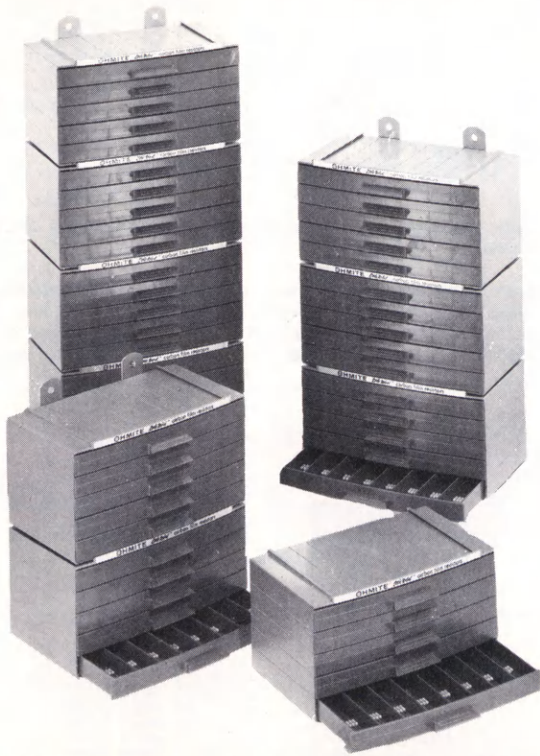
Figure 2. Temperature coefficient as a function of the resistance value, applicable to all resistor wattages.



Size: .165" L x .059" D Leads: .015" D x 1 1/4" L	Size: .250" L x .090" D Leads: .024" D x 1 1/4" L	Size: .365" L x .142" D Leads: .028" D x 1 1/4" L	Size: .165" L x .059" D Leads: .015" D x 1 1/4" L	Size: .250" L x .090" D Leads: .024" D x 1 1/4" L	Size: .365" L x .142" D Leads: .028" D x 1 1/4" L	Size: .165" L x .059" D Leads: .015" D x 1 1/4" L	Size: .250" L x .090" D Leads: .024" D x 1 1/4" L	Size: .365" L x .142" D Leads: .028" D x 1 1/4" L	Size: .165" L x .059" D Leads: .015" D x 1 1/4" L	Size: .250" L x .090" D Leads: .024" D x 1 1/4" L	Size: .365" L x .142" D Leads: .028" D x 1 1/4" L	Size: .165" L x .059" D Leads: .015" D x 1 1/4" L	Size: .250" L x .090" D Leads: .024" D x 1 1/4" L	Size: .365" L x .142" D Leads: .028" D x 1 1/4" L
Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹	Catalog Number ¹
Resist. (Ohms) ±5%	1/4 Watt Type OK	1/4 Watt Type OL	Resist. (Ohms) ±5%	1/4 Watt Type OK	1/4 Watt Type OL	Resist. (Ohms) ±5%	1/4 Watt Type OK	1/4 Watt Type OL	Resist. (Ohms) ±5%	1/4 Watt Type OK	1/4 Watt Type OL	Resist. (Ohms) ±5%	1/4 Watt Type OK	1/4 Watt Type OL
1	OK1065	OL1065	56	OK5605	OL5605	1600	OK1625	OL1625	47K	OK4735	OL4735	100K	OK1035	OL1035
1.2	OK1265	OL1265	62	OK6205	OL6205	1800	OK1825	OL1825	51K	OK5135	OL5135	150K	OK1535	OL1535
1.5	OK1565	OL1565	68	OK6805	OL6805	2000	OK2025	OL2025	56K	OK5635	OL5635	200K	OK2035	OL2035
1.8	OK1865	OL1865	75	OK7505	OL7505	2200	OK2225	OL2225	62K	OK6235	OL6235	250K	OK2535	OL2535
2.2	OK2265	OL2265	82	OK8205	OL8205	2400	OK2425	OL2425	68K	OK6835	OL6835	300K	OK3035	OL3035
2.7	OK2765	OL2765	91	OK9105	OL9105	2700	OK2725	OL2725	75K	OK7535	OL7535	350K	OK3535	OL3535
3.3	OK3365	OL3365	100	OK1015	OL1015	3000	OK3025	OL3025	82K	OK8235	OL8235	400K	OK4035	OL4035
3.9	OK3965	OL3965	110	OK1115	OL1115	3300	OK3325	OL3325	91K	OK9135	OL9135	470K	OK4735	OL4735
4.3	OK4365	OL4365	120	OK1215	OL1215	3600	OK3625	OL3625	100K	OK1045	OL1045	500K	OK5035	OL5035
4.7	OK4765	OL4765	130	OK1315	OL1315	3900	OK3925	OL3925	110K	OK1145	OL1145	560K	OK5635	OL5635
5.1	OK5165	OL5165	150	OK1515	OL1515	4300	OK4325	OL4325	120K	OK1245	OL1245	620K	OK6235	OL6235
5.6	OK5665	OL5665	160	OK1615	OL1615	4700	OK4725	OL4725	130K	OK1345	OL1345	680K	OK6835	OL6835
6.2	OK6265	OL6265	180	OK1815	OL1815	5100	OK5125	OL5125	150K	OK1545	OL1545	750K	OK7535	OL7535
6.8	OK6865	OL6865	200	OK2015	OL2015	5600	OK5625	OL5625	160K	OK1645	OL1645	820K	OK8235	OL8235
7.5	OK7565	OL7565	220	OK2215	OL2215	6200	OK6225	OL6225	180K	OK1845	OL1845	910K	OK9135	OL9135
8.2	OK8265	OL8265	240	OK2415	OL2415	6800	OK6825	OL6825	200K	OK2045	OL2045	1.0M	OK1055	OL1055
9.1	OK9165	OL9165	270	OK2715	OL2715	7500	OK7525	OL7525	220K	OK2245	OL2245			
10.0	OK1005	OL1005	300	OK3015	OL3015	8200	OK8225	OL8225	240K	OK2445	OL2445			
11	OK1105	OL1105	330	OK3315	OL3315	9100	OK9125	OL9125	270K	OK2745	OL2745			
12	OK1205	OL1205	360	OK3615	OL3615	10K	OK1035	OL1035	300K	OK3045	OL3045			
13	OK1305	OL1305	390	OK3915	OL3915	11K	OK1135	OL1135	330K	OK3345	OL3345			
15	OK1505	OL1505	430	OK4315	OL4315	12K	OK1235	OL1235	360K	OK3645	OL3645			
16	OK1605	OL1605	470	OK4715	OL4715	13K	OK1335	OL1335	390K	OK3945	OL3945			
18	OK1805	OL1805	510	OK5115	OL5115	15K	OK5135	OL5135	430K	OK4345	OL4345			
20	OK2005	OL2005	560	OK5615	OL5615	16K	OK1635	OL1635	470K	OK4745	OL4745			
22	OK2205	OL2205	620	OK6215	OL6215	18K	OK1835	OL1835	510K	OK5145	OL5145			
24	OK2405	OL2405	680	OK6815	OL6815	20K	OK2035	OL2035	560K	OK5645	OL5645			
27	OK2705	OL2705	750	OK7515	OL7515	22K	OK2235	OL2235	620K	OK6245	OL6245			
30	OK3005	OL3005	820	OK8215	OL8215	24K	OK2435	OL2435	680K	OK6845	OL6845			
33	OK3305	OL3305	910	OK9115	OL9115	27K	OK2735	OL2735	750K	OK7545	OL7545			
36	OK3605	OL3605	1000	OK1025	OL1025	30K	OK3035	OL3035	820K	OK8245	OL8245			
39	OK3905	OL3905	1100	OK1125	OL1125	33K	OK3335	OL3335	910K	OK9145	OL9145			
43	OK4305	OL4305	1200	OK1225	OL1225	36K	OK3635	OL3635	1.0M	OK1055	OL1055			
47	OK4705	OL4705	1300	OK1325	OL1325	39K	OK3935	OL3935						
51	OK5105	OL5105	1500	OK1525	OL1525	43K	OK4335	OL4335						

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OHMITE® Little Rebel® carbon and metal film resistor assortments



Always have the right resistor on hand and thwart Murphy's Law which states: "The resistance value needed will not be available." Ohmite Assortments of Little Rebel carbon film resistors come in Nine assortments and offer a wide selection of values in 1/8, 1/4 and 1/2 watt sizes. "All values have been selected by popularity."

Each cabinet has five drawers and each drawer has eight compartments, all individually labeled.

Dimensions of the single cabinet are 9" long, 4 3/4" high, 5 1/4" deep. Dovetail tops and bottoms facilitate stacking. Assemblies of 2, 3 and 4 cabinets are riveted to metal strips for wall hanging.

FIFTEEN ASSORTMENTS

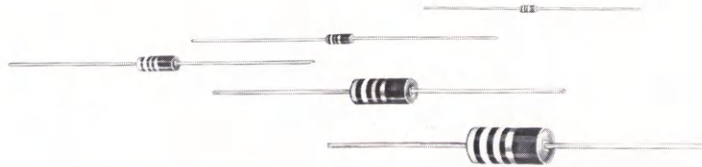
TYPE	WATTAGE	CAT. No. 1	TOL.	QTY.	NO. OF CABS	RESISTANCE RANGE	NO. OF VALUES
LITTLE REBELS CARBON FILM	1/8	CAB-5F	5%	150	1	10Ω - .22 Meg. Ω	31
		CAB-22F		500	2	10Ω - .22 Meg. Ω	52
		CAB-34F		1000	3	10Ω - .22 Meg. Ω	104
	1/4	CAB-6F	5%	150	1	1Ω - 1.0 Meg. Ω	36
		CAB-23F		1000	2	1Ω - 1.0 Meg. Ω	75
		CAB-43F		1500	4	1Ω - 1.0 Meg. Ω	137
	1/2	CAB-7F	5%	150	1	1Ω - 1.0 Meg. Ω	36
		CAB-24F		1000	2	1Ω - 1.0 Meg. Ω	75
		CAB-44F		1500	4	1Ω - 1.0 Meg. Ω	137
METAL DEVILS METAL FILM	1/8	CAB-8M	1%	250	1	10Ω - 301 KΩ	40
		CAB-28M		500	2	10Ω - 301 KΩ	80
		CAB-31M		1000	3	10Ω - 301 KΩ	120
	1/4	CAB-9M	1%	250	1	10Ω - 1.0 Meg. Ω	40
		CAB-29M		500	2	10Ω - 1.0 Meg. Ω	80
		CAB-32M		1000	3	10Ω - 1.0 Meg. Ω	120

Resistance Values	1/8 WATT			1/4 WATT			1/2 WATT			Resistance Values	1/8 WATT			1/4 WATT			1/2 WATT			Resistance Values	1/8 WATT			1/4 WATT			1/2 WATT		
	CAB-5F	CAB-22F	CAB-34F	CAB-6F	CAB-23F	CAB-43F	CAB-7F	CAB-24F	CAB-44F		CAB-5F	CAB-22F	CAB-34F	CAB-6F	CAB-23F	CAB-43F	CAB-7F	CAB-24F	CAB-44F		CAB-5F	CAB-22F	CAB-34F	CAB-6F	CAB-23F	CAB-43F	CAB-7F	CAB-24F	CAB-44F
1				5	10	30	5	10	30	180			10	5		5	5		5	15,000	5	10	20	5	30	30	5	30	30
1.2					5	10		5	10	200				5		5	5		5	16,000			5		5			5	
1.5					5	15		5	15	220			5			20	30		20	18,000	3		5		20	10	10	15	
1.8					5	10		5	10	240				5			5			20,000		10	20		30		10	15	
2.2					5	15		5	15	270	5	5	10	3	30	10		3	15	22,000	5		10	5	30	30	5	30	30
2.7					5	10		5	10	300					5				15	24,000			5		5			15	
3.3				1	15	15	1	15	15	330		10	10		20	20		15	15	27,000	3	5	10	3	20	10	3	20	15
3.9					5	10		5	10	360					5	5			5	30,000			5		10			15	
4.3					5	5		5	5	390			5		5	5		5	15	33,000	5	20	30	3	20	30	3	20	20
4.7					5	15		5	15	430	1				5	5			5	36,000			5		5		15	5	
5.1				1	10	15	1	10	15	470	5	10	20	3	20	30	3	30	20	39,000	3	5	10	3	5	10	3	15	15
5.6					5	5		5	5	510			5		10	10			15	43,000			5		5			5	
6.2					5	10		5	10	560			5		5	5		15	15	47,000	5	20	30	5	30	30	5	30	20
6.8					5	5		5	5	620			5		5	5			15	51,000			5		10			15	
7.5					5	5		5	5	680	5	5	5	3	20	10		3	15	56,000			5	10	20	5	15	15	
8.2				1	5	10	1	5	10	750					5	5			5	62,000			5		5			5	
9.1					5	5		5	5	820			5	10		5	5		5	68,000	5	10	20	3	20	10	3	20	15
10	5	20	20	5	20	30	5	20	30	910				5		5	5			75,000			5		5			5	
11			5		5	5		5	5	1000	10	20	30	10	10	30	10	30	30	82,000	5	5	10		5	10		15	5
12		5	5		5	5		5	5	1100				5		5	5		5	91,000			5		5			5	
15	5	5	5	1	5	5	1	5	5	1200		5	5		5	20		5	15	0.10 meg	10	20	30	10	30	30	10	30	30
16		5	5		5	5		5	5	1300				5		5	5			0.11 meg			5		5			5	
18	5	5	5		5	5		5	5	1500	5	10	20	3	20	10		3	20	0.12 meg		5	10		5		5	5	
20		5	5		5	5		5	5	1600					5	5			5	0.13 meg			5		5			5	
22	5	5	5		5	5		5	5	1800		5	5		5	30		15	15	0.15 meg	5	10	20	5	5	10	5	15	15
24		5	5		5	5		5	5	2000					20				30	0.16 meg			5		5			5	
27	5	10		1	5	5	1	5	5	2200		5	10		30	30		30	30	0.18 meg		5	10		5			5	
30		5	5		5	5		5	5	2400			5		5	5			5	0.20 meg			5		10			5	
33	5	10			5	5		5	5	2700	5	10	10	3	20	30	3	15	15	0.22 meg	10	20	30	3	20		3	20	15
36		5	5		5	5		5	5	3000	1		5		10				15	0.24 meg					5			5	
39		5	10		5	5		5	5	3300		30	30		30	30		20	30	0.27 meg				3	5	5	3	20	5
43		5	5		5	5		5	5	3600	1		5		5	5			5	0.30 meg					5			5	
47	5	20	20	3	20	10	3	20	5	3900		5	10		20	20		5	15	0.33 meg				3	20	5	3	15	5
51		5	5		5	5		5	15	4300			5		5	5			5	0.36 meg					5			5	
56	5	10			5	5		5	5	4700	10	20	30	10	30	30	10	30	30	0.39 meg					5			5	5
62		5	5		5	5		5	5	5100					20				15	0.43 meg					5			5	
68		5	10		5	5		5	5	5600		5	10		5	30		20	15	0.47 meg				5	20	10	5	20	20
75	1		5		5	5	1		20	6200			5		10				5	0.51 meg					5			5	
82		5	10		5	5		5	5	6800	5	10	10	1	30	20	1	15	20	0.56 meg					5			5	5
91		5	5		5	5		5	5	7500	1		5		5	5			5	0.62 meg					5			5	
100	5	30	30	10	30	30	10	30	30	8200		5	10		20	30		10	15	0.68 meg				1	5	5	1	5	5
110		5	5		5	5		5	5	9100			5		5	5			5	0.75 meg					5			5	
120		5	5		5	5		5	5	10,000	10	20	30	10	30	30	10	30	30	0.82 meg					5			5	5
130		5	5		5	5		5	5	11,000			5		5	5			5	0.91 meg					5			5	
150	5	10	20	3	20	10	3	15	15	12,000		5	10		20	30		15	20	1.0 meg				10	30	30	10	30	20
160		5			5	5		5	5	13,000			5		5	5			5										

1 ITEMS APPEARING IN BOLD PRINT ARE POPULAR VALUES AND ARE USUALLY STOCKED BY AUTHORIZED OHMITE DISTRIBUTORS.

OHMITE® Little Devil® molded composition resistors

Now Includes MIL-R-II Types



Color Coder

CATALOG NO. 5190

Little Devils, Ohmite's famous molded composition resistors, find broad use in commercial and military applications. The 1/4, 1/2, 1 and 2-watt sizes, which conform respectively to Styles RC07, RC20, RC32 and RC42 of MIL-R-11, meet all the stringent requirements of this military specification. All sizes available satisfy a wide range of design and service needs.

Little Devils have molded insulation for high dielectric strength. Noted advantages of these units are great stability, low noise level, low voltage coefficient, high insulation breakdown

voltage and rapid heat dissipation. They may be used at full rated wattage at 70°C (158°F) ambient temperature.

Little Devils are available from stock in standard EIA resistance values in the tolerances and resistance ranges shown in the price table. Ratings for maximum continuous RMS voltage drop are high: 150 volts for 1/4 watt units, 250 volts for 1/2 watt, 350 volts for 1 watt, 500 volts for 1 watt, and 500 volts for 2 watt units. See "Little Devil" Resistor Assortments, next page.

1/4 WATT Size: .145" L x .062" D. Leads: .015" D. x 1" L.			1/4 WATT Size: .145" L x .062" D. Leads: .015" D. x 1" L.			1/4 WATT Size: .145" L x .062" D. Leads: .015" D. x 1" L.			1/4 WATT Size: .145" L x .062" D. Leads: .015" D. x 1" L.			1/4 WATT Size: .145" L x .062" D. Leads: .015" D. x 1" L.		
Resistance	Catalog Number ¹ ±5%		Resistance	Catalog Number ¹ ±5%		Resistance	Catalog Number ¹ ±5%		Resistance	Catalog Number ¹ ±5%		Resistance	Catalog Number ¹ ±5%	
2.7 ohms	OB27G5		68 ohms	OB68G5		1,800 ohms	OB1825		47,000 ohms	OB4735		1.2 megs	OB1255	
3.0 ohms	OB30G5		75 ohms	OB75G5		2,000 ohms	OB2025		51,000 ohms	OB5135		1.3 megs	OB1355	
3.3 ohms	OB33G5		82 ohms	OB82G5		2,200 ohms	OB2225		56,000 ohms	OB5635		1.5 megs	OB1555	
3.6 ohms	OB36G5		91 ohms	OB91G5		2,400 ohms	OB2425		62,000 ohms	OB6235		1.6 megs	OB1655	
3.9 ohms	OB39G5		100 ohms	OB1015		2,700 ohms	OB2725		68,000 ohms	OB6835		1.8 megs	OB1855	
4.3 ohms	OB43G5		110 ohms	OB1115		3,000 ohms	OB3025		75,000 ohms	OB7535		2.0 megs	OB2055	
4.7 ohms	OB47G5		120 ohms	OB1215		3,300 ohms	OB3325		82,000 ohms	OB8235		2.2 megs	OB2255	
5.1 ohms	OB51G5		130 ohms	OB1315		3,600 ohms	OB3625		91,000 ohms	OB9135		2.4 megs	OB2455	
5.6 ohms	OB56G5		150 ohms	OB1515		3,900 ohms	OB3925		0.1 megs	OB1045		2.7 megs	OB2755	
6.2 ohms	OB62G5		160 ohms	OB1615		4,300 ohms	OB4325		0.11 megs	OB1145		3.0 megs	OB3055	
6.8 ohms	OB68G5		180 ohms	OB1815		4,700 ohms	OB4725		0.12 megs	OB1245		3.3 megs	OB3355	
7.5 ohms	OB75G5		200 ohms	OB2015		5,100 ohms	OB5125		0.13 megs	OB1345		3.6 megs	OB3655	
8.2 ohms	OB82G5		220 ohms	OB2215		5,600 ohms	OB5625		0.15 megs	OB1545		3.9 megs	OB3955	
9.1 ohms	OB91G5		240 ohms	OB2415		6,200 ohms	OB6225		0.16 megs	OB1645		4.3 megs	OB4355	
10 ohms	OB10G5		270 ohms	OB2715		6,800 ohms	OB6825		0.18 megs	OB1845		4.7 megs	OB4755	
11 ohms	OB11G5		300 ohms	OB3015		7,500 ohms	OB7525		0.20 megs	OB2045		5.1 megs	OB5155	
12 ohms	OB12G5		330 ohms	OB3315		8,200 ohms	OB8225		0.22 megs	OB2245		5.6 megs	OB5655	
13 ohms	OB13G5		360 ohms	OB3615		9,100 ohms	OB9125		0.24 megs	OB2445		6.2 megs	OB6255	
15 ohms	OB15G5		390 ohms	OB3915		10,000 ohms	OB1035		0.27 megs	OB2745		6.8 megs	OB6855	
16 ohms	OB16G5		430 ohms	OB4315		11,000 ohms	OB1135		0.30 megs	OB3045		7.5 megs	OB7555	
18 ohms	OB18G5		470 ohms	OB4715		12,000 ohms	OB1235		0.33 megs	OB3345		8.2 megs	OB8255	
20 ohms	OB20G5		510 ohms	OB5115		13,000 ohms	OB1335		0.36 megs	OB3645		9.1 megs	OB9155	
22 ohms	OB22G5		560 ohms	OB5615		15,000 ohms	OB1535		0.39 megs	OB3945		10 megs	OB1065	
24 ohms	OB24G5		620 ohms	OB6215		16,000 ohms	OB1635		0.43 megs	OB4345		11 megs	OB1165	
27 ohms	OB27G5		680 ohms	OB6815		18,000 ohms	OB1835		0.47 megs	OB4745		12 megs	OB1265	
30 ohms	OB30G5		750 ohms	OB7515		20,000 ohms	OB2035		0.51 megs	OB5145		13 megs	OB1365	
33 ohms	OB33G5		820 ohms	OB8215		22,000 ohms	OB2235		0.56 megs	OB5645		15 megs	OB1565	
36 ohms	OB36G5		910 ohms	OB9115		24,000 ohms	OB2435		0.62 megs	OB6245		16 megs	OB1665	
39 ohms	OB39G5		1,000 ohms	OB1025		27,000 ohms	OB2735		0.68 megs	OB6845		18 megs	OB1865	
43 ohms	OB43G5		1,100 ohms	OB1125		30,000 ohms	OB3035		0.75 megs	OB7545		20 megs	OB2065	
47 ohms	OB47G5		1,200 ohms	OB1225		33,000 ohms	OB3335		0.82 megs	OB8245		22 megs	OB2265	
51 ohms	OB51G5		1,300 ohms	OB1325		36,000 ohms	OB3635		0.91 megs	OB9145				
56 ohms	OB56G5		1,500 ohms	OB1525		39,000 ohms	OB3935		1 megs	OB1055				
62 ohms	OB62G5		1,600 ohms	OB1625		43,000 ohms	OB4335		1.1 megs	OB1155				

1/4 WATT MIL Type: RC 07 Size: .14" L x .090" D. Leads: .025" D. x 1 1/2" L.			1/4 WATT MIL Type: RC 07 Size: .14" L x .090" D. Leads: .025" D. x 1 1/2" L.			1/4 WATT MIL Type: RC 07 Size: .14" L x .090" D. Leads: .025" D. x 1 1/2" L.			1/4 WATT MIL Type: RC 07 Size: .14" L x .090" D. Leads: .025" D. x 1 1/2" L.			1/4 WATT MIL Type: RC 07 Size: .14" L x .090" D. Leads: .025" D. x 1 1/2" L.		
Resistance	Catalog Number ¹ ±5% ±10%		Resistance	Catalog Number ¹ ±5% ±10%		Resistance	Catalog Number ¹ ±5% ±10%		Resistance	Catalog Number ¹ ±5% ±10%		Resistance	Catalog Number ¹ ±5% ±10%	
2.7 ohms	OC27G5	OC27G1	68 ohms	OC68G5	OC68G1	1,800 ohms	OC1825	OC1821	47,000 ohms	OC4735	OC4731	1.2 megs	OC1255	OC1251
3.0 ohms	OC30G5		75 ohms	OC75G5		2,000 ohms	OC2025		51,000 ohms	OC5135		1.3 megs	OC1355	
3.3 ohms	OC33G5	OC33G1	82 ohms	OC82G5	OC82G1	2,200 ohms	OC2225	OC2221	56,000 ohms	OC5635	OC5631	1.5 megs	OC1555	OC1551
3.6 ohms	OC36G5		91 ohms	OC91G5		2,400 ohms	OC2425		62,000 ohms	OC6235		1.6 megs	OC1655	
3.9 ohms	OC39G5	OC39G1	100 ohms	OC1015	OC1011	2,700 ohms	OC2725	OC2721	68,000 ohms	OC6835	OC6831	1.8 megs	OC1855	OC1851
4.3 ohms	OC43G5		110 ohms	OC1115		3,000 ohms	OC3025		75,000 ohms	OC7535		2.0 megs	OC2055	
4.7 ohms	OC47G5	OC47G1	120 ohms	OC1215	OC1211	3,300 ohms	OC3325	OC3321	82,000 ohms	OC8235	OC8231	2.2 megs	OC2255	OC2251
5.1 ohms	OC51G5		130 ohms	OC1315		3,600 ohms	OC3625		91,000 ohms	OC9135		2.4 megs	OC2455	
5.6 ohms	OC56G5	OC56G1	150 ohms	OC1515	OC1511	3,900 ohms	OC3925	OC3921	0.1 megs	OC1045	OC1041	2.7 megs	OC2755	OC2751
6.2 ohms	OC62G5		160 ohms	OC1615		4,300 ohms	OC4325		0.11 megs	OC1145		3.0 megs	OC3055	
6.8 ohms	OC68G5	OC68G1	180 ohms	OC1815	OC1811	4,700 ohms	OC4725	OC4721	0.12 megs	OC1245	OC1241	3.3 megs	OC3355	OC3351
7.5 ohms	OC75G5		200 ohms	OC2015		5,100 ohms	OC5125		0.13 megs	OC1345		3.6 megs	OC3655	
8.2 ohms	OC82G5	OC82G1	220 ohms	OC2215	OC2211	5,600 ohms	OC5625	OC5621	0.15 megs	OC1545	OC1541	3.9 megs	OC3955	OC3951
9.1 ohms	OC91G5		240 ohms	OC2415		6,200 ohms	OC6225		0.16 megs	OC1645		4.3 megs	OC4355	
10 ohms	OC10G5	OC10G1	270 ohms	OC2715	OC2711	6,800 ohms	OC6825	OC6821	0.18 megs	OC1845	OC1841	4.7 megs	OC4755	OC4751
11 ohms	OC11G5		300 ohms	OC3015		7,500 ohms	OC7525		0.20 megs	OC2045		5.1 megs	OC5155	
12 ohms	OC12G5	OC12G1	330 ohms	OC3315	OC3311	8,200 ohms	OC8225	OC8221	0.22 megs	OC2245	OC2241	5.6 megs	OC5655	OC5651
13 ohms	OC13G5		360 ohms	OC3615		9,100 ohms	OC9125		0.24 megs	OC2445		6.2 megs	OC6255	
15 ohms	OC15G5	OC15G1	390 ohms	OC3915	OC3911	10,000 ohms	OC1035	OC1031	0.27 megs	OC2745	OC2741	6.8 megs	OC6855	OC6851
16 ohms	OC16G5		430 ohms	OC4315		11,000 ohms	OC1135		0.30 megs	OC3045		7.5 megs	OC7555	
18 ohms	OC18G5	OC18G1	470 ohms	OC4715	OC4711	12,000 ohms	OC1235	OC1231	0.33 megs	OC3345	OC3341	8.2 megs	OC8255	OC8251
20 ohms	OC20G5		510 ohms	OC5115		13,000 ohms	OC1335		0.36 megs	OC3645		9.1 megs	OC9155	
22 ohms	OC22G5	OC22G1	560 ohms	OC5615	OC5611	15,000 ohms	OC1535	OC1531	0.39 megs	OC3945	OC3941	10 megs	OC1065	OC1061
24 ohms	OC24G5		620 ohms	OC6215		16,000 ohms	OC1635		0.43 megs	OC4345		11 megs	OC1165	
27 ohms	OC27G5	OC27G1	680 ohms	OC6815	OC6811	18,000 ohms	OC1835	OC1831	0.47 megs	OC4745	OC4741	12 megs	OC1265	OC1261
30 ohms	OC30G5		750 ohms	OC7515		20,000 ohms	OC2035		0.51 megs	OC5145		13 megs	OC1365	
33 ohms	OC33G5	OC33G1	820 ohms	OC8215	OC8211	22,000 ohms	OC2235	OC2231	0.56 megs	OC5645	OC5641	15 megs	OC1565	OC1561
36 ohms	OC36G5		910 ohms	OC9115		24,000 ohms	OC2435		0.62 megs	OC6245		16 megs	OC1665	
39 ohms	OC39G5	OC39G1	1,000 ohms	OC1025	OC1021	27,000 ohms	OC2735	OC2731	0.68 megs	OC6845	OC6841	18 megs	OC1865	OC1861
43 ohms	OC43G5		1,100 ohms	OC1125		30,000 ohms	OC3035		0.75 megs	OC7545		20 megs	OC2065	
47 ohms	OC47G5	OC47G1	1,200 ohms	OC1225	OC1221	33,000 ohms	OC3335	OC3331	0.82 megs	OC8245	OC8241	22 megs	OC2265	OC2261
51 ohms	OC51G5		1,300 ohms	OC1325		36,000 ohms	OC3635		0.91 megs	OC9145				
56 ohms	OC56G5	OC56G1	1,500 ohms	OC1525	OC1521	39,000 ohms	OC3935	OC3931	1 megs	OC1055	OC1051			
62 ohms	OC62G5		1,600 ohms	OC1625		43,000 ohms	OC4335		1.1 megs	OC1155				

¹Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock items subject to a minimum handling charge per item.

1/2 WATT MIL Type: RC 20† Size: 3/64" L x 1/64" D. Leads: .033" D x 1 1/2" L				1/2 WATT MIL Type: RC 20† Size: 3/64" L x 1/64" D. Leads: .033" D x 1 1/2" L				1/2 WATT MIL Type: RC 20† Size: 3/64" L x 1/64" D. Leads: .033" D x 1 1/2" L				1/2 WATT MIL Type: RC 20† Size: 3/64" L x 1/64" D. Leads: .033" D x 1 1/2" L				1/2 WATT MIL Type: RC 20† Size: 3/64" L x 1/64" D. Leads: .033" D x 1 1/2" L			
Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%	
1. ohms	OE1065	OE10G1		33. ohms	OE3305	OE3301		1,000. ohms	OE1025	OE0121		33,000. ohms	OE3335	OE3331		1. meg	OE1055		OE1051
1.1 ohms	OE11G5			36. ohms	OE3605			1,100. ohms	OE1125			36,000. ohms	OE3635			1.1 meg	OE1155		
1.2 ohms	OE12G5	OE12G1		39. ohms	OE3905	OE3901		1,200. ohms	OE1225	OE1221		39,000. ohms	OE3935	OE3931		1.2 meg	OE1255		OE1251
1.3 ohms	OE13G5			43. ohms	OE4305			1,300. ohms	OE1325			43,000. ohms	OE4335			1.3 meg	OE1355		
1.5 ohms	OE15G5	OE15G1		47. ohms	OE4705	OE4701		1,500. ohms	OE1525	OE1521		47,000. ohms	OE4735	OE4731		1.5 meg	OE1555		OE1551
1.6 ohms	OE16G5			51. ohms	OE5105			1,600. ohms	OE1625			51,000. ohms	OE5135			1.6 meg	OE1655		
1.8 ohms	OE18G5	OE18G1		56. ohms	OE5605	OE5601		1,800. ohms	OE1825	OE1821		56,000. ohms	OE5635	OE5631		1.8 meg	OE1855		OE1851
2. ohms	OE20G5			62. ohms	OE6205			2,000. ohms	OE2025			62,000. ohms	OE6235			2.0 meg	OE2055		
2.2 ohms	OE22G5	OE22G1		68. ohms	OE6805	OE6801		2,200. ohms	OE2225	OE2221		68,000. ohms	OE6835	OE6831		2.2 meg	OE2255		OE2251
2.4 ohms	OE24G5			75. ohms	OE7505			2,400. ohms	OE2425			75,000. ohms	OE7535			2.4 meg	OE2455		
2.7 ohms	OE27G5	OE27G1		82. ohms	OE8205	OE8201		2,700. ohms	OE2725	OE2721		82,000. ohms	OE8235	OE8231		2.7 meg	OE2755		OE2751
3.0 ohms	OE30G5			91. ohms	OE9105			3,000. ohms	OE3025			91,000. ohms	OE9135			3.0 meg	OE3055		
3.3 ohms	OE33G5	OE33G1		100. ohms	OE1015	OE1011		3,300. ohms	OE3325	OE3321		0.1 meg	OE1045	OE1041		3.3 meg	OE3355		OE3351
3.6 ohms	OE36G5			110. ohms	OE1115			3,600. ohms	OE3625			0.1 meg	OE1145			3.6 meg	OE3655		
3.9 ohms	OE39G5	OE39G1		120. ohms	OE1215	OE1211		3,900. ohms	OE3925	OE3921		0.1 meg	OE1245	OE1241		3.9 meg	OE3955		OE3951
4.3 ohms	OE43G5			130. ohms	OE1315			4,300. ohms	OE4325			0.13 meg	OE1345			4.3 meg	OE4355		
4.7 ohms	OE47G5	OE47G1		150. ohms	OE1515	OE1511		4,700. ohms	OE4725	OE4721		0.15 meg	OE1545	OE1541		4.7 meg	OE4755		OE4751
5.1 ohms	OE51G5			160. ohms	OE1615			5,100. ohms	OE5125			0.16 meg	OE1645			5.1 meg	OE5155		
5.6 ohms	OE56G5	OE56G1		180. ohms	OE1815	OE1811		5,600. ohms	OE5625	OE5621		0.18 meg	OE1845	OE1841		5.6 meg	OE5655		OE5651
6.2 ohms	OE62G5			200. ohms	OE2015			6,200. ohms	OE6225			0.20 meg	OE2045			6.2 meg	OE6255		
6.8 ohms	OE68G5	OE68G1		220. ohms	OE2215	OE2211		6,800. ohms	OE6825	OE6821		0.22 meg	OE2245	OE2241		6.8 meg	OE6855		OE6851
7.5 ohms	OE75G5			240. ohms	OE2415			7,500. ohms	OE7525			0.24 meg	OE2445			7.5 meg	OE7555		
8.2 ohms	OE82G5	OE82G1		270. ohms	OE2715	OE2711		8,200. ohms	OE8225	OE8221		0.27 meg	OE2745	OE2741		8.2 meg	OE8255		OE8251
9.1 ohms	OE91G5			300. ohms	OE3015			9,100. ohms	OE9125			0.30 meg	OE3045			9.1 meg	OE9155		
10. ohms	OE1005	OE1001		330. ohms	OE3315	OE3311		10,000. ohms	OE1035	OE1031		0.33 meg	OE3345	OE3341		10. meg	OE1085		OE1061
11. ohms	OE1105			360. ohms	OE3615			11,000. ohms	OE1135			0.36 meg	OE3645			11. meg	OE1165		
12. ohms	OE1205	OE1201		390. ohms	OE3915	OE3911		12,000. ohms	OE1235	OE1231		0.39 meg	OE3945	OE3941		12. meg	OE1265		OE1261
13. ohms	OE1305			430. ohms	OE4315			13,000. ohms	OE1335			0.43 meg	OE4345			13. meg	OE1365		
15. ohms	OE1505	OE1501		470. ohms	OE4715	OE4711		15,000. ohms	OE1535	OE1531		0.47 meg	OE4745	OE4741		15. meg	OE1565		OE1561
16. ohms	OE1605			510. ohms	OE5115			16,000. ohms	OE1635			0.51 meg	OE5145			16. meg	OE1665		
18. ohms	OE1805	OE1801		560. ohms	OE5615	OE5611		18,000. ohms	OE1835	OE1831		0.56 meg	OE5645	OE5641		18. meg	OE1865		OE1861
20. ohms	OE2005			620. ohms	OE6215			20,000. ohms	OE2035			0.62 meg	OE6245			20. meg	OE2065		
22. ohms	OE2205	OE2201		680. ohms	OE6815	OE6811		22,000. ohms	OE2235	OE2231		0.68 meg	OE6845	OE6841		22. meg	OE2265		OE2261
24. ohms	OE2405			750. ohms	OE7515			24,000. ohms	OE2435			0.75 meg	OE7545						
27. ohms	OE2705	OE2701		820. ohms	OE8215	OE8211		27,000. ohms	OE2735	OE2731		0.82 meg	OE8245	OE8241					
30. ohms	OE3005			910. ohms	OE9115			30,000. ohms	OE3035			0.91 meg	OE9145						

1 WATT MIL Type: RC 32 Size: 3/16" L x 7/32" D. Leads: .041" D x 1 1/2" L				1 WATT MIL Type: RC 32 Size: 3/16" L x 7/32" D. Leads: .041" D x 1 1/2" L				1 WATT MIL Type: RC 32 Size: 3/16" L x 7/32" D. Leads: .041" D x 1 1/2" L				1 WATT MIL Type: RC 32 Size: 3/16" L x 7/32" D. Leads: .041" D x 1 1/2" L				1 WATT MIL Type: RC 32 Size: 3/16" L x 7/32" D. Leads: .041" D x 1 1/2" L			
Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%		Resistance	Catalog Number ¹ ±5%	±10%	
2.7 ohms	OG27G5	OG27G1		68 ohms	OG6805	OG6801		1,800 ohms	OG1825	OG1821		47,000 ohms	OG4735	OG4731		1.2 megs	OG1255		OG1251
3.0 ohms	OG30G5			75 ohms	OG7505			2,000 ohms	OG2025			51,000 ohms	OG5135			1.3 megs	OG1355		
3.3 ohms	OG33G5	OG33G1		82 ohms	OG8205	OG8201		2,200 ohms	OG2225	OG2221		56,000 ohms	OG5635	OG5631		1.5 megs	OG1555		OG1551
3.6 ohms	OG36G5			91 ohms	OG9105			2,400 ohms	OG2425			62,000 ohms	OG6235			1.6 megs	OG1655		
3.9 ohms	OG39G5	OG39G1		100 ohms	OG1015	OG1011		2,700 ohms	OG2725	OG2721		68,000 ohms	OG6835	OG6831		1.8 megs	OG1855		OG1851
4.3 ohms	OG43G5			110 ohms	OG1115			3,000 ohms	OG3025			75,000 ohms	OG7535			2.0 megs	OG2055		
4.7 ohms	OG47G5	OG47G1		120* ohms	OG1215	OG1211		3,300 ohms	OG3325	OG3321		82,000 ohms	OG8235	OG8231		2.2 megs	OG2255		OG2251
5.1 ohms	OG51G5			130 ohms	OG1315			3,600 ohms	OG3625			91,000 ohms	OG9135			2.4 megs	OG2455		
5.6 ohms	OG56G5	OG56G1		150 ohms	OG1515	OG1511		3,900 ohms	OG3925	OG3921		0.1 megs	OG1045	OG1041		2.7 megs	OG2755		OG2751
6.2 ohms	OG62G5			160 ohms	OG1615			4,300 ohms	OG4325			0.11 megs	OG1145			3.0 megs	OG3055		
6.8 ohms	OG68G5	OG68G1		180 ohms	OG1815	OG1811		4,700 ohms	OG4725	OG4721		0.12 megs	OG1245	OG1241		3.3 megs	OG3355		OG3351
7.5 ohms	OG75G5			200 ohms	OG2015			5,100 ohms	OG5125			0.13 megs	OG1345			3.6 megs	OG3655		
8.2 ohms	OG82G5	OG82G1		220 ohms	OG2215	OG2211		5,600 ohms	OG5625	OG5621		0.15 megs	OG1545	OG1541		3.9 megs	OG3955		OG3951
9.1 ohms	OG91G5			240 ohms	OG2415			6,200 ohms	OG6225			0.16 megs	OG1645			4.3 megs	OG4355		
10 ohms	OG1005	OG1001		270 ohms	OG2715	OG2711		6,800 ohms	OG6825	OG6821		0.18 megs	OG1845	OG1841		4.7 megs	OG4755		OG4751
11 ohms	OG1105			300 ohms	OG3015			7,500 ohms	OG7525			0.20 megs	OG2045			5.1 megs	OG5155		
12 ohms	OG1205	OG1201		330 ohms	OG3315	OG3311		8,200 ohms	OG8225	OG8221		0.22 megs	OG2245	OG2241		5.6 megs	OG5655		OG5651
13 ohms	OG1305			360 ohms	OG3615			9,100 ohms	OG9125			0.24 megs	OG2445			6.2 megs	OG6255		
15 ohms	OG1505	OG1501		390 ohms	OG3915	OG3911		10,000 ohms	OG1035	OG1031		0.27 megs	OG2745	OG2741		6.8 megs	OG6855		OG6851
16 ohms	OG1605			430 ohms	OG4315			11,000 ohms	OG1135			0.30 megs	OG3045			7.5 megs	OG7555		
18 ohms	OG1805	OG1801		470 ohms	OG4715	OG4711		12,000 ohms	OG1235	OG1231		0.33 megs	OG3345	OG3341		8.2 megs	OG8255		OG8251
20 ohms	OG2005			510 ohms	OG5115			13,000 ohms	OG1335			0.36 megs	OG3645			9.1 megs	OG9155		
22 ohms	OG2205	OG2201		560 ohms	OG5615	OG5611		15,000 ohms	OG1535	OG1531		0.39 megs	OG3945	OG3941		10 megs	OG1065		OG1061
24 ohms	OG2405			620 ohms	OG6215			16,000 ohms	OG1635			0.43 megs	OG4345			11 megs	OG1165		
27 ohms	OG2705	OG2701		680 ohms	OG6815	OG6811		18,000 ohms	OG1835	OG1831		0.47 megs	OG4745	OG4741		12 megs	OG1265		OG1261
30 ohms	OG3005			750 ohms	OG7515			20,000 ohms	OG2035			0.51 megs	OG5145			13 megs	OG1365		
33 ohms	OG3305	OG3301		820 ohms	OG8215	OG8211		22,000 ohms	OG2235	OG2231		0.56 megs	OG5645	OG5641		15 megs	OG1565		OG1561
36 ohms	OG3605			910 ohms	OG9115			24,000 ohms	OG2435			0.62 megs	OG6245			16 megs	OG1665		
39 ohms	OG3905	OG3901		1,000 ohms	OG1025	OG1021		27,000 ohms	OG2735	OG2731		0.68 megs	OG6845	OG6841		18 megs	OG1865		OG1861
43 ohms	OG4305			1,100 ohms	OG1125			30,000 ohms	OG3035			0.75 megs	OG7545			20 megs	OG2065		
47 ohms	OG4705	OG4701		1,200 ohms	OG1225	OG1221		33,000 ohms	OG3335	OG3331		0.82 megs	OG8245	OG8241		22 megs	OG2265		OG2261
51 ohms	OG5105			1,300 ohms	OG1325			36,000 ohms	OG3635			0.91 megs	OG9145						
56 ohms	OG5605	OG5601		1,500 ohms	OG1525	OG1521		39,000 ohms	OG3935	OG3931		1 megs	OG1055	OG1051					
62 ohms	OG6205			1,600 ohms	OG1625			43,000 ohms	OG4335			1.1 megs	OG1155						

OHMITE® Little Devil® industrial and service resistor assortments



Select the composition resistor you need, right on the job from time-saving Little Devil® Assortments. Ohmite now offers **eight industrial** assortments in addition to the four service assortments that have been so popular for many years. In this complete line, there is an assortment to fill every industrial and service need. An attractive plastic cabinet or cabinet assembly is furnished at no extra cost with each assortment. Each drawer of a single 5-drawer cabinet has eight compartments, all individually labeled. Dimensions of the single cabinet are 9" long, 4 3/4" high, 5 1/4" deep. Dovetail tops and bottoms facilitate stacking. Cabinet assemblies for industrial assortments are riveted to metal strips which afford rigidity and permit hanging of the unit on the wall.

Cabinets are factory packed in accordance with the tables shown below.

12 ASSORTMENTS

TYPE	WATTAGE	CAT. NO. 1	TOL.	QTY.	NO. OF CABS	RESISTANCE RANGE	NO. OF VALUES
LITTLE DEVILS CARBON COMP.	1/8	CAB-21	5%	500	2	10Ω - 1.0 Meg.Ω	80
		CAB-45		1000	4	2.7Ω - 22.0 Meg.Ω	160
	1/4	CAB-4	10%	150	1	47Ω - 10.0 Meg.Ω	37
		CAB-25		1000	2	2.7Ω - 22.0 Meg.Ω	80
	1/2	CAB-46	5%	1500	4	2.7Ω - 22.0 Meg.Ω	160
		CAB-10	10%	150	1	10Ω - 10.0 Meg.Ω	40
		CAB-26		1000	2	2.7Ω - 22.0 Meg.Ω	80
	1	CAB-47	5%	1500	4	2.7Ω - 22.0 Meg.Ω	160
		CAB-2	10%	125	1	10Ω - 10.0 Meg.Ω	40
		CAB-27		600	2	2.7Ω - 22.0 Meg.Ω	80
	2	CAB-48	5%	900	4	2.7Ω - 22.0 Meg.Ω	160
		CAB-3	10%	125	1	10Ω - 10.0 Meg.Ω	40

10% TOLERANCE ASSORTMENTS

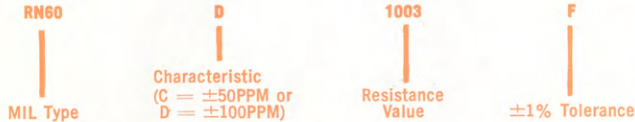
5% TOLERANCE ASSORTMENTS

	Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each Assortment							Quantities In Each 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OHMITE® Metal Devil™ metal film resistors

MIL-R-10509 Style RN $\pm 1\%$ Tolerance Characteristic D ($\pm 100\text{PPM}$)

The standard military metal film resistor offers the equipment designer an economical, highly reliable, high-performance resistor for many high-stability applications. Ohmite's metal film resistors are produced in full conformance with, and exceed all performance requirements of, MIL-R-10509. They feature low noise, high stability, and wide operating frequency range in minimum size for their power ratings, and in a wide selection of popular resistance values. All resistors are marked with the MIL style, characteristic, resistance and tolerance. See "metal devil" assortment on page 19. Standard military resistors can be completely specified using the MIL type designation:



For characteristic C ($\pm 50\text{PPM}$) consult factory.

SPECIFICATIONS

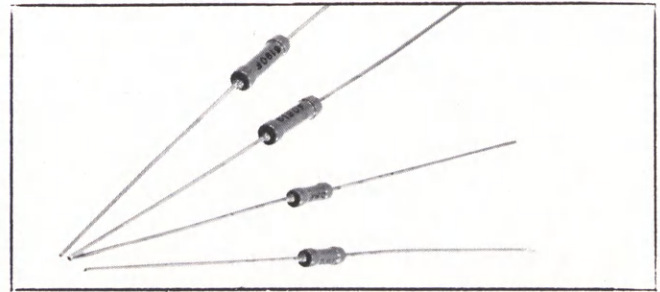
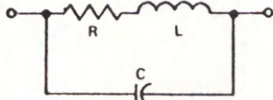
Ohmite Type	MIL Type	Power Rating (Watts)			Temperature Coefficient of Resistance (PPM/°C)	Resistance Range (ohms)	Resistance Tolerance ($\pm\%$)	Max. Voltage (Volts)
		MIL-R-10509	Ohmite	Ohmite				
MB	RN55	1/10	1/8	1/4	D = ± 100	10 Ω —301K	F = 1%	200
MC	RN60	1/8	1/4	1/2	D = ± 100	10 Ω —1 Meg	F = 1%	300

SPECIAL DESIGN CHARACTERISTICS

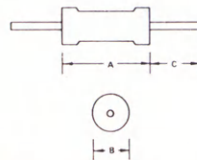
L is negligible for $R > 100\Omega$, and has no significant effect below 100MHz for $R > 10\Omega$.

See table below for typical capacitance values.

Ohmite Style	MB	MC
C (pF) $\pm 25\%$	0.45	0.37
Voltage Coefficient (PPM/Volt) $\pm 25\%$	1	1
Power Coefficient (°C/Watt)	240	200



DIMENSIONS (see diagram)



	Max. inches			
	A	B	C (AWG)	CL to CL**
MB	.240 $\pm .005$.095 $\pm .003$	1.5 (#22)	.290
MC	.396 $\pm .020$.152 $\pm .009$	1.5 (#22)	.450

**Clean lead to clean lead.

PERFORMANCE CHARACTERISTICS

The following chart indicates typical results of tests performed in accordance with MIL-R-10509.

Test	Max. % Change in Resistance	
	MIL-R-10509 (Characteristic D) Requirements	Ohmite Average
Temperature Cycling, -65 to +150°C	.5%	.05%
Low temperature operation, -65°C	.5%	.05%
Short time overload	.5%	.01%
Terminal strength, 5 lb load	.2%	.02%
Dielectric withstanding Voltage	.5%	.01%
Resistance to soldering heat, 350°C	.5%	.01%
Moisture resistance	1.5%	.08%
Life (1,000 hours)	1.0%	.24%
Shock, medium impact, 50G, 11 ms.	.5%	.01%
Vibration, High frequency 10-2000Hz	.5%	.01%

MB SERIES MIL TYPE RN55

Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.
10	MB10R0F	432	MB4320F	2.74K	MB2741F	7.5K	MB7501F	20K	MB2002F	75K	MB7502F
20	MB20R0F	475	MB4750F	2.8K	MB2801F	8.06K	MB8061F	20.5K	MB2052F	80.6K	MB8062F
22.1	MB22R1F	499	MB4990F	2.87K	MB2871F	8.25K	MB8251F	21K	MB2102F	82.5K	MB8252F
49.9	MB49R9F	511	MB5110F	3.01K	MB3011F	8.66K	MB8661F	21.5K	MB2152F	90.9K	MB9092F
51.1	MB51R1F	604	MB6040F	3.24K	MB3241F	9.09K	MB9091F	22.1K	MB2212F	100K	MB1003F
60.4	MB60R4F	634	MB6340F	3.32K	MB3321F	9.53K	MB9531F	24.3K	MB2432F	110K	MB1103F
75	MB75R0F	681	MB6810F	3.83K	MB3831F	9.76K	MB9761F	24.9K	MB2492F	121K	MB1213F
82.5	MB82R5F	698	MB6980F	3.92K	MB3921F	10K	MB1002F	28K	MB2802F	130K	MB1303F
90.9	MB90R9F	750	MB7500F	4.22K	MB4221F	10.7K	MB1072F	30.1K	MB3012F	140K	MB1403F
100	MB1000F	825	MB8250F	4.32K	MB4321F	11K	MB1102F	35.7K	MB3572F	150K	MB1503F
130	MB1300F	909	MB9090F	4.53K	MB4531F	11.5K	MB1152F	36.5K	MB3652F	178K	MB1783F
150	MB1500F	1K	MB1001F	4.64K	MB4641F	12.1K	MB1212F	39.2K	MB3922F	200K	MB2003F
182	MB1820F	1.1K	MB1101F	4.75K	MB4751F	12.4K	MB1242F	40.2K	MB4022F	205K	MB2053F
200	MB2000F	1.21K	MB1211F	4.99K	MB4991F	12.7K	MB1272F	46.4K	MB4642F	210K	MB2103F
221	MB2210F	1.4K	MB1401F	5.11K	MB5111F	13K	MB1302F	49.9K	MB4992F	215K	MB2153F
232	MB2320F	1.5K	MB1501F	5.23K	MB5231F	13.3K	MB1332F	51.1K	MB5112F	221K	MB2213F
249	MB2490F	2K	MB2001F	5.62K	MB5621F	14K	MB1402F	56.2K	MB5622F	232K	MB2323F
301	MB3010F	2.1K	MB2101F	6.04K	MB6041F	14.7K	MB1472F	57.6K	MB5762F	267K	MB2673F
332	MB3320F	2.15K	MB2151F	6.19K	MB6191F	15K	MB1502F	60.4K	MB6042F	301K	MB3013F
392	MB3920F	2.21K	MB2211F	6.49K	MB6491F	15.8K	MB1582F	61.9K	MB6192F		
402	MB4020F	2.43K	MB2431F	6.81K	MB6811F	16.2K	MB1622F	68.1K	MB6812F		
422	MB4220F	2.49K	MB2491F	6.98K	MB6981F	18.2K	MB1822F	69.8K	MB6982F		

Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.	Ohms	Catalog No.
10	MC10R0F	619	MC6190F	3.32K	MC3321F	10K	MC1002F	43.2K	MC4322F	332K	MC3323F
15	MC15R0F	750	MC7500F	4.02K	MC4021F	12.1K	MC1212F	47.5K	MC4752F	357K	MC3573F
20	MC20R0F	1000	MC1001F	4.12K	MC4121F	14.7K	MC1472F	49.9K	MC4992F	402K	MC4023F
32.4	MC32R4F	1.21K	MC1211F	4.64K	MC4641F	15K	MC1502F	53.6K	MC5362F	499K	MC4993F
100	MC1000F	1.4K	MC1401F	4.75K	MC4751F	15.8K	MC1582F	68.1K	MC6812F	511K	MC5113F
110	MC1100F	1.5K	MC1501F	4.99K	MC4991F	16.2K	MC1622F	80.6K	MC8062F	750K	MC7503F
150	MC1500F	1.96K	MC1961F	5.11K	MC5111F	20K	MC2002F	100K	MC1003F	1 MEG	MC1004F
200	MC2000F	2K	MC2001F	5.62K	MC5621F	24.3K	MC2432F	110K	MC1103F		
232	MC2320F	2.49K	MC2491F	6.81K	MC6811F	24.9K	MC2492F	150K	MC1503F		
301	MC3010F	2.55K	MC2551F	7.5K	MC7501F	30.1K	MC3012F	200K	MC2003F		
499	MC4990F	2.8K	MC2801F	8.25K	MC8251F	38.3K	MC3832F	221K	MC2213F		
562	MC5620F	3.01K	MC3011F	9.09K	MC9091F	40.2K	MC4022F	301K	MC3013F		

OHMITE® vitreous enameled rheostats (potentiometers)

Now, Ohmite offers TWELVE sizes in its line of famous rheostats ranging from 7.5 to 1000 watts. Nothing to shrink or burn, all models are metal and ceramic construction and coated with Ohmite's exclusive vitreous enamel or Ohmicone® silicone ceramic. The revolutionary Model C, 7½ watt miniature unit, the **smallest rheostat of its rating available**, employs this same construction! All Model C stock units and the enclosed Model E unit, are normally supplied in a corrosion-resistant dust-proof case. Models C, E and H are stocked with both standard and locking shafts.

In all Ohmite rheostats, the resistance wire is wound on a solid ceramic core. The turns are locked in place with tough, protective vitreous enamel or Ohmicone® silicone ceramic. Pivoted, universal action mounting of the brush, assures perfect contact. Metal-graphite contact brushes, varied to fit current and resistance, insure good contact with negligible wear of the wire. Terminals at each end of the winding permit connection of the unit as a potentiometer.

Models H, J, G, K, L, P, and N, are listed under the Underwriter's Laboratories Reexamination Service. File No. E10946 and Canadian Standards Assn. File No. 21309.

RATINGS: Current ratings shown assume use in free air. If units are enclosed, wattage should be reduced to as much as 50%, depending upon ventilation. The rated current causes the rheostat to dissipate its rated wattage when its full resistance is in the circuit.

SPECIAL RHEOSTAT FEATURES: Hundreds of features to meet your special rheostat requirements can be furnished. Submit your specifications.

MODEL "C" — 7½ WATT* — STANDARD & LOCKING SHAFT

Diameter .515" max. — Depth behind panel 7/8" — Shaft 1/8" diameter, slotted for both types; Std. shaft accommodates knob — Rotation 300° — Mounting for panels up to 1/8" by means of 1/4"-32 bushing and hex. nut — Non-turn lug requires 1/8" hole 1/4" below center of shaft — No. 5151 knob recommended — Solder terminals also fit EIA type TS-E3R100 transistor socket — Wt. 0.27 oz.

Ohms	Amps	Standard Shaft Catalog No.†	Locking Shaft Catalog No.†	Ohms	Amps	Standard Shaft Catalog No.†	Locking Shaft Catalog No.†
10	.86	4908	4948	250	.17	(4917)	4957
15	.71	(4909)	(4949)	350	.15	4918	(4958)
25	.55	4910	4950	500	.12	4919	(4959)
35	.46	(4911)	(4951)	750	.10	4920	(4960)
50	.39	4912	4952	1000	.086	4921	(4961)
75	.32	(4913)	4953	1500	.071	(4922)	(4962)
100	.27	4914	4954	2500	.055	4923	4963
150	.22	(4915)	4955	3500	.046	(4924)	(4964)
200	.19	4916	(4956)	5000	.039	4925	4965

*Rating on metal panel — unit is silicone-ceramic coated.

MODEL "E" — 12½ WATT* — UNENCLOSED & ENCLOSED

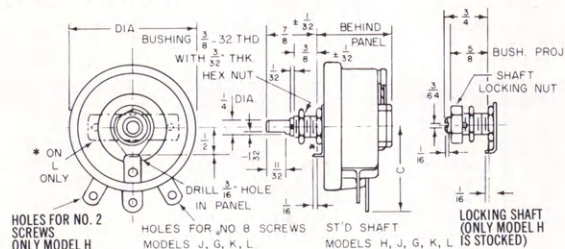
Diameter 7/8"; Diameter with dust-tight aluminum enclosure 1 1/4" — Depth behind panel 1 1/4"; for enclosed, 1 1/2" — Rotation 300° — Mounts on panels up to 1/8" by means of 1/4"-32 bushing and hex nut — Non-turn lug requires 1/8" hole 1/4" below center of shaft. No. 5151 knob recommended — Wt. 0.6 oz.; enclosed 0.85 oz.

Total Ohms	Max. Amps.	Unenclosed		Total Ohms	Max. Amps.	Unenclosed		Total Ohms	Max. Amps.	Enclosed	
		Standard Shaft Cat. No.†	Locking Shaft Cat. No.†			Standard Shaft Cat. No.†	Locking Shaft Cat. No.†			Standard Shaft Cat. No.†	Locking Shaft Cat. No.†
1	3.53	0101	L0101	175	.27	0114	L0114	1	3.53	W0114	LW0114
2	2.50	0102	(L0102)	200	.25	0114A	L0114A	2	2.50	W0114A	LW0114A
2.5	2.24	(0102A)	(L0102A)	250	.22	0115	L0115	2.5	2.24	W0115	LW0115
3	2.04	0103	L0103	350	.19	0116	L0116	3	2.04	W0116	LW0116
5	1.58	0103A	L0103A	500	.16	0117	L0117	5	1.58	W0117	LW0117
6	1.44	0104	L0104	750	.13	0118	L0118	6	1.44	W0118	LW0118
8	1.25	0105	(L0105)	1,000	.11	0119	L0119	8	1.25	W0119	LW0119
10	1.12	0106	L0106	1,500	.091	0120	L0120	10	1.12	W0120	LW0120
15	.91	0107	(L0107)	2,500	.071	0121	L0121	15	.91	W0121	LW0121
25	.71	0108	L0108	3,500	.060	0122†	L0122†	25	.71	W0122†	LW0122†
35	.60	0109	L0109	5,000	.050	0123†	L0123†	35	.60	W0123†	LW0123†
50	.50	0110	(L0110)	7,500	.041‡	4190†	(L4190)†	50	.50	W4190†	LW4190†
75	.41	0111	L0111	10,000	.035‡	4191†	(L4191)†	75	.41	W4191†	LW4191†
100	.35	0112	W0112	12,500	.031‡	(4192)†	(L4192)†	100	.35	W4192†	LW4192†
125	.32	0113	L0113	15,000	.029‡	4193†	(L4193)†	125	.32	W4193†	LW4193†
150	.29	0113A	(L0113A)					150	.29	W4193†	LW4193†

*Rating on metal panel. †Silicone-ceramic coating. ‡7.5 K Ω = 350V. max; 10 K Ω , 12.5 K Ω , and 15 K Ω = 350V. max.

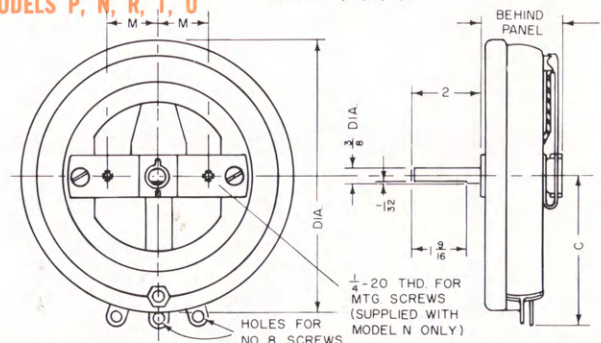
dimensions: MODELS H, J, G, K, L*

* NO NON-TURN ON MODEL L



MODELS P, N, R, T, U

MODELS P, N, R, T, U



* Popular items appear in **BOLD** print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in **LIGHT FACE** print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

OHMITE® vitreous enameled rheostats (potentiometers)

25 WATT

MODEL "H"; UL Listed;
For Use as Series Resistor

Dia. 1 1/4" — Depth behind panel 1 3/8" — Shaft 1/4" dia. Rotation 300° — Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut — Non-turn lug requires 3/16" hole 1/2" below ctr. of shaft — No. 5150 knob recom. — C dimension is 1 1/4" — Weight 0.19 lb.

Locking Shaft	Std. Shaft	Total Ohms	Max. Amps.
L0140	0140	1	5.000
(L0141)	0141	2	3.540
L0142	0142	3	2.880
L0143	0143	6	2.040
L0144	0144	8	1.770
L0145	0145	10	1.580
L0146	0146	15	1.290
L0147	0147	25	1.000
(L0148)	0148	35	.845
L0149	0149	50	.707
L0150	0150	75	.575
L0151	0151	100	.500
(L0152)	0152	125	.445
L0153	0153	175	.375
L0154	0154	250	.316
L0155	0155	350	.267
L0156	0156	500	.222
(L0157)	0157	750	.182
L0158	0158	1,000	.155
L0159	0159	1,500	.129
(L0160)	0160	2,500	.100
L0161	0161	3,500	.084
L0162	0162	5,000	.070
(L4200†)	4200†	7,500	.058
(L4201†)	4201†	10,000	.050
(L4202†)	4202†	15,000	.041
(L4203†)	4203†	20,000	.035
L4204†	4204†	25,000	.032

†Silicone-ceramic coating. 500V max. for 10 KΩ and above. Not UL listed above 5 KΩ.

50 WATT

MODEL "J"; UL Listed;
For Use as Series Resistor

Dia. 2 3/8" — Depth behind panel 1 3/8" — Shaft 1/4" dia. Rotation 300° — Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut — Non-turn lug requires 3/16" hole 1/2" below ctr. of shaft — No. 5150 knob recom. — C dimension is 1 3/4" — Weight 0.32 lb.

Catalog No. 1	Total Ohms	Max. Amps.
0308	0.5	10.000
0309	1	7.070
0310	2	5.000
0311	4	3.530
0312	6	2.880
0313	8	2.500
0314	12	2.040
0315	16	1.760
0316	22	1.500
0317	35	1.190
0318	50	1.000
0319	80	.790
0320	125	.630
0321	150	.575
0322	225	.470
0323	300	.408
0324	500	.316
0325	800	.250
0326	1,000	.224
0327	1,600	.176
0328	2,500	.141
0329	3,500	.119
0330	5,000	.100
0331	8,000	.079
0332	10,000	.070
4210†	15,000	.058
4211†	20,000	.050
4212†	25,000	.045
4213†	30,000	.041
4214†	40,000	.035
4215†	50,000	.032

†Silicone-ceramic coating. 750V max. for 15 KΩ and above. Not UL listed above 10 KΩ.

75 WATT

MODEL "G"; UL Listed

Dia. 2 3/4" — Depth behind panel 1 3/4" — Shaft 1/4" dia. Rotation 300° — Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut — Non-turn lug requires 3/16" hole 1/2" below ctr. of shaft — No. 5150 knob recom. — C dimension is 1 3/2" — Weight 0.52 lb.

Catalog No. 1	Total Ohms	Max. Amps.
1100	0.5	12.300
1101	1	8.660
1102	2	6.120
1103	3	5.000
1104	5	3.880
(1105)	7.5	3.160
1106	10	2.740
1107	16	2.170
1108	25	1.730
1109	50	1.230
1110	75	1.000
1111	100	.866
1112	200	.612
1113	300	.500
1114	400	.433
1115	500	.388
1116	750	.316
1117	1,000	.274
1118	1,500	.224
1119	2,000	.194
1120	2,500	.173
1121	5,000	.123
(1122)	7,500	.100
1123	10,000	.087

100 WATT

MODEL "K"; UL Listed

Dia. 3 1/8" — Depth behind panel 1 3/4" — Shaft 1/4" dia. Rotation 300° — Mounts on panels up to 1/4" by means of 3/8"-32 Bushing and Hex. Nut — Non-turn lug requires 3/16" hole 1/2" below ctr. of shaft — No. 5150 knob recom. — C dimension is 1 3/2" — Weight 0.64 lb.

Catalog No. 1	Total Ohms	Max. Amps.
0440	0.5	14.100
0441	1	10.000
0442	2	7.070
0443	3	5.750
0444	5	4.470
0445	7.5	3.650
0446	10	3.160
0447	16	2.500
0448	25	2.000
0449	50	1.410
0450	75	1.150
0451	100	1.000
0452	200	.707
0453	300	.575
0454	400	.500
0455	500	.447
0456	750	.365
0457	1,000	.316
0458	1,500	.258
0459	2,000	.224
0460	2,500	.200
0461	5,000	.141
0462	7,500	.115
0463	10,000	.100

150 WATT

MODEL "L"; UL Listed

Dia. 4" — Depth behind panel 2" — Shaft 1/4" diameter. Rotation 300° — Mounting for panels up to 1/4", 3/8"-32 Bushing and Hex. Nut or two 10-32 flat head screws, mounting centers 7/8" each side of center of shaft on line perpendicular to center terminal. — Stock No. 5150 knob recom. — C dimension is 2 3/2" — Weight 1.1 lbs.

Catalog No. 1	Total Ohms	Max. Amps.
0524	0.5	17.300
0525	1	12.300
0526	2	8.650
0527	3	7.070
0528	5	5.480
0529	7.5	4.470
0530	10	3.880
0531	15	3.163
0532	25	2.450
0533	35	2.070
0534	50	1.735
0535	75	1.415
0536	100	1.225
0537	150	1.000
0538	200	.865
0539	250	.775
0540	350	.655
0541	500	.548
0542	750	.447
0543	1,250	.346
0544	1,800	.288
0545	2,250	.259
0546	3,000	.224
0547	4,500	.182
0548	7,500	.141
0549	10,000	.122

225 WATT

MODEL "P"; UL Listed

Dia. 5" — Depth behind panel 2 1/4" — Shaft 3/8" dia. Rotation 310° — Mounting for panels up to 1/4" by two 1/4"-20 screws, mounting centers (M) 7/8" each side of center of shaft on center line of cross-bar. — Stock No. 5105 Knob Recommended — C dimension is 2 3/2" — Weight 2 lbs.

Catalog No. 1	Total Ohms	Max. Amps.
1250	1.0	15.000
1251	2.0	10.600
1252	3.0	8.660
1253	4.0	7.500
1254	5.0	6.710
(1255)	7.5	5.490
1256	10.0	4.740
1257	15.0	3.870
1258	25.0	3.000
1259	50.0	2.120
1260	75.0	1.730
1261	100	1.500
1262	150	1.220
1263	200	1.060
1264	300	.866
1265	400	.750
1266	700	.567
1267	900	.500
1268	1,200	.433
1269	1,500	.387
(1270)	1,750	.358
(1270A)	2,000	.336
1271	2,500	.300

300 WATT

MODEL "N"; UL Listed

Dia. 6" — Depth behind panel 2 3/8" — Shaft 3/8" dia. Rotation 320° — Mounting for panels up to 1/4" by two 1/4"-20 screws, mounting centers (M) 1 3/8" each side of center of shaft on center line of cross-bar. — Stock No. 5105 Knob Recommended — C dimension is 3 1/8" — Weight 2.6 lbs.

Catalog No. 1	Total Ohms	Max. Amps.
0650	1.0	17.320
0651	2.0	12.240
0652	3.0	10.000
0653	4.0	8.660
0654	5.0	7.750
0655	7.5	6.320
0656	10.0	5.480
0657	15.0	4.470
0658	25.0	3.460
0659	50.0	2.450
0660	75.0	2.000
0661	100	1.730
0662	150	1.410
0663	200	1.220
0664	300	1.000
0665	400	.866
0666	700	.655
0667	900	.578
0668	1,200	.500
0669	1,500	.447
(0670)	1,750	.414
(0670A)	2,000	.387
0671	2,500	.346

500 WATT

MODEL "R"

Dia. 8" — Depth behind panel 2 1/8" — Shaft 3/8" dia. Rotation 325° — Mounting for panels up to 1/4" by two 1/4"-20 screws, mounting centers (M) 1 1/2" each side of center of shaft on center line of cross-bar. — Stock No. 5105 Knob Recommended — C dimension is 4 3/8" — Weight 4 lbs.

Catalog No. 1	Total Ohms	Max. Amps.
0849	1.0	22.300
(0850)	1.5	18.200
0851	2.0	15.800
(0852)	2.5	14.100
0853	3.0	12.900
(0854)	4.0	11.200
0855	5.0	10.000
0856	8.0	7.900
0857	12.5	6.300
0858	16.0	5.600
0859	25.0	4.470
0860	40.0	3.540
0872	50.0	3.160
0861	80.0	2.520
0862	125	2.000
0863	175	1.690
0864	250	1.410
0865	325	1.240
0866	500	1.000
0867	750	.817
0868	1,000	.707
0869	1,500	.577
(0870)	2,000	.500
0871	2,500	.447

750 WATT

MODEL "T"

Dia. 10" — Depth behind panel 3" — Shaft 3/8" dia. Rotation 330° — Mounting for panels up to 1/4" by two 1/4"-20 screws, mounting centers (M) 1 7/8" each side of center of shaft on center line of cross-bar. — Stock No. 5105 Knob Recommended — is 5 3/8" — Weight 7.6 lbs.

Catalog No. 1	Total Ohms	Max. Amps.
(1300)	1.0	27.400
(1301)	1.5	22.300
(1302)	2.0	19.400
(1303)	2.5	17.300
(1304)	3.0	15.800
(1305)	4.0	13.600
(1306)	5.0	12.200
(1307)	8.0	9.650
(1308)	10.0	8.650
(1309)	12.5	7.750
(1310)	16.0	6.820
(1311)	25.0	5.470
(1312)	50.0	3.870
(1313)	80.0	3.060
(1314)	100	2.740
(1315)	160	2.170
(1316)	200	1.940
(1317)	300	1.580
(1318)	400	1.370
(1319)	600	1.117
(1320)	750	1.000
(1321)	1,200	.791
(1322)	1,800	.646
(1322A)	2,000	.610
(1323)	2,500	.547

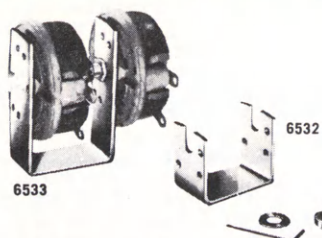
1000 WATT

MODEL "U"

Dia. 12" — Depth behind panel 3" — Shaft 3/8" dia. Rotation 335° — Mounting for panels up to 1/4" by two 1/4"-20 screws, mounting centers (M) 3" each side of center of shaft on center line of cross-bar. — Stock No. 5105 Knob Recommended — C dimension is 6 3/8" — Weight 10 lbs.

Catalog No. 1	Total Ohms	Max. Amps.
1450	1.0	31.600
(1451)	1.5	25.800
1452	2.0	22.400
1453	2.5	20.000
1454	3.0	18.300
1455	4.0	15.800
1456	5.0	14.100
1457	8.0	11.200
1458	10.0	10.000
1459	12.5	8.950
1460	16.0	7.900
1461	25.0	6.330
1462	50.0	4.470
1463	75.0	3.650
1464	100	3.160
1465	175	2.390
1466	225	2.110
1467	300	

OHMITE® rheostat tandem coupling kits



Tandem rheostat assemblies can be ordered from the factory or assembled by the user with these kits which permit assembly of two units. Each kit consists of a steel "U" frame, a coupling with set screw, mica washer, Allen wrench and instructions.

Rheostat shafts are joined by the coupling which is fastened to the shaft of the rear unit. Projections on the coupling fit a recess on the rear of the hub of the front unit.

Three kits are available as follows:

Cat. No. 6532—Mounts Models H or J in either front or rear position. Models G, K or L in rear position when panel-mounted.

Cat. No. 6533—Mounts G, K or L units, also accommodates Models H, J, G, K or L in rear position.

Cat. No. 6591—Mounts Model E units only.

Catalog No.	Max. Panel	Weight
6532	5/32"*	.17 lb.
6533	1/8"*	.41
6591	1/16"	.073

*Using No. 5150 Knob.

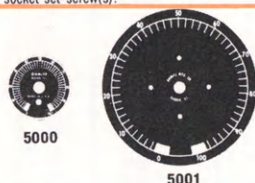
black bakelite knobs

Catalog No. 1		Description	Knob Dia.	Hole Dia.
Standard	Hex-Socket			
5102		Bar Knob, 2 1/4" long		1/4"
5103		Bar Knob, 1 1/4" long		1/4"
5104	5103A	Handwheel with Pointer	3 1/4"	3/8"
5105	5104A	Handwheel without Pointer	3 1/4"	3/8"
5106	5106A	Handwheel with Pointer	3 1/4"	1/4"
5107		Handwheel without Pointer	3 1/4"	1/4"
5109	5109A	Finger-Grip with Pointer	1 3/8"	1/4"
5110	5110A	Finger-Grip without Pointer	1 3/8"	1/4"
5111	5111A	Finger-Grip with Pointer	2 3/8"	1/4"
5112	5112A	Finger-Grip without Pointer	2 3/8"	1/4"
*5115		Bar Knob, 4 3/4" long		3/8"
5116	5116A	Bar Knob, 1 1/2" long	1 1/2"	1/4"
5150	5150A	Finger-Grip	3/4"	1/4"
5151		Finger-Grip		1/4"
5152A		Like 5104 but shorter pointer	3 1/4"	1/4"

* Requires pin and tapped hole in shaft. Standard knobs have slotted set-screw(s); knobs ordered with 'A' suffix have hex socket set-screw(s).



rheostat dials



Cat. No.	For Rheostat	Dial Dia.	Recom'd. Knobs*
5007	C, E	1 1/4"	5151
5000	H, J, G, K, L	2 1/16"	5150, 5116, 5103
5001	P, N, R, T, U	5 1/2"	5104, 5106

*See Bakelite Knobs above.

Handsome finished dials for Ohmite rheostats and other apparatus, feature bright figures and lines on etched black background. Divisions marked from 0 to 100 indicate approximate percentage of rheostat resistance in circuit.

heat control rheostats

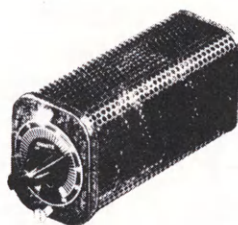
A convenient control for regulating the temperature of soldering irons, melting pots (such as those used for solder, wax, potting material) or other heater loads. With soldering irons, it permits quick adjustment of operating heat for the type of job and grade of solder.

Consists of vitreous enameled rheostats housed in a perforated metal cage, with knob and dial. Supplied with grounding series plug and six feet of 3-conductor heater type cord which grounds the cage. The cord from the heater load is plugged into the series plug which is then plugged into a receptacle. Order in accordance with expected maximum wattage load.



Rating of Device To Be Controlled		Rheostat Control Catalog No.	Case Dimensions		Net Weight lbs.
Watts	Volts		Dia.	Height	
40 — 65	115	(SRC65)	3 1/8"	2"	.58
85 — 100	115	(SRC100)	3 1/8"	2"	.58
120 — 150	115	(SRC150)	3 3/4"	2 3/8"	.93
175 — 220	115	(SRC220)	3 3/4"	2 3/8"	1.05
300 — 350	115	(SRC350)	4 1/2"	2 3/8"	1.63
430 — 500	115	(SRC500)	7 1/2"	3 1/4"	2.25

T-pad and L-pad attenuators



Stepless control of speaker volume with essentially constant impedance is provided by Ohmite attenuators. In use, these units are interposed between high power amplifiers and speaker or speakers.

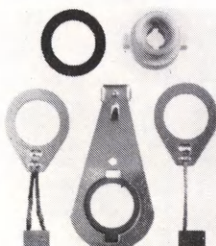
Housed in gray, perforated metal cage 3 1/4" high, 2 3/8" wide and extending 4 1/4" behind panel for L-pads; 6 1/4" for T-pads. Shaft 1/4" and bushing 3/8" diameter; bushing length is for 1/4" maximum panel (specify greater thicknesses). Mounted with two 10/32 screws (supplied) on 2 5/8" vertical centers.

Line Impedance In Ohms	T-Pads		L-Pads	
	25 WATTS Avg. Wt. 1.44 lbs. Cat. No.	50 WATTS Avg. Wt. 1.88 lbs. Cat. No.	25 WATTS Avg. Wt. 1 lb. Cat. No.	50 WATTS Avg. Wt. 1.25 lbs. Cat. No.
15	(3001)	(3101)	(3201)	(3301)
50	(3002)	(3102)	(3202)	(3302)
200	(3003)	(3103)	(3203)	(3303)
500	(3004)	(3104)	(3204)	(3304)

rheostat repair kits

For replacing contact. Kits include contact/slip ring assemblies for round and ribbon wire rheostats, copper graphite washer, spring arm and hub. Instructions included.

For Model	P	N	R	T	U
Catalog No.	7070	7071	7072	7073	7074



extra mounting hardware

Handy kit of 25 nuts and lock washers for panel mounting rheostats, tap switches and variable transformers. Nuts are nickel plated brass.

Used for	Cat. No.
E Rheostat	Cat. No. 7090
H, J, G, K, L Rheostat	Cat. No. 7091
111, 212, 711 Tap Switch	
VT1, VT2, VT02, VT3, Var. Trans	

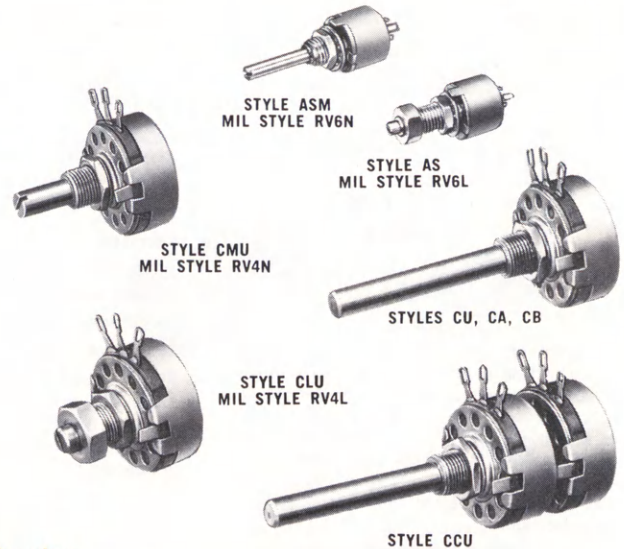
* Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

OHMITE® molded composition potentiometers

Ohmite molded composition potentiometers are used in commercial and military electronic applications where high quality and dependable performance are important. Type AB is rated 2 watts at 70°C ambient and is available with 7/8" slotted shaft (CMU), 2" unslotted shaft (CU, CA, CB, CCU) and locking type bushing with slotted shaft (CLU). Type AS is a miniature unit rated 1/2 watt. It is available with locking type bushing and slotted shaft (Style AS) and standard bushing with longer (slotted) shaft for knob control (Style ASM).

Because the resistance element is a thick, solid-molded ring — not a sprayed film or paint-type resistor — longer life and smoother operation are obtained. This is due also to the molded composition contact. Units are dust and splash proof, fungus and corrosion resistant and meet the requirements of military specification MIL-R-94. Styles CMU, CLU, AS and ASM conform respectively to MIL-R-94, Styles RV4N, RV4L, RV6L and RV6N.

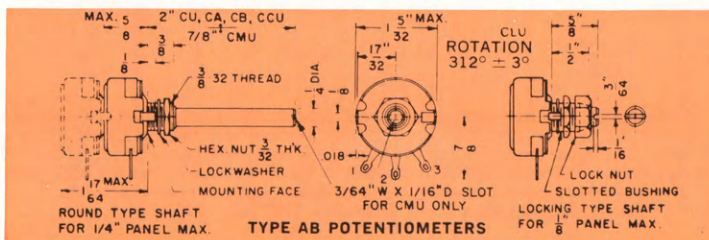
Styles and tapers are listed in table. Dimensions of all stock units are shown below.



STOCK "POTS"— MIL Units are stamped with MIL and Commercial Designations.

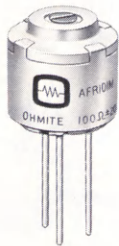
Resistance Ohms Except As Noted Tol. ±10% except * ±20%	TYPE AB (1 1/32" Dia.) Rated 2 Watts ¹								TYPE AS (1 1/2" Dia.) Rated 1/2 Watt ¹			
	Single Unit 7/8" Shaft		Single Unit 2" Shaft			Locking		Dual	Miniature Locking		Miniature 7/8" Shaft	
	Style CMU Linear	MIL Design- ation	Style CU Linear	Style CA CW log	Style CB CCW log	Style CLU Linear	MIL Design- ation	Style CCU Linear	Style AS Linear	MIL Design- ation	Style ASM Linear	MIL Design- ation
50	CMU5001	500A	CU5001			CLU5001	500A		AS3601	101A	ASM6661	101A
100	CMU1011	101A	CU1011			CLU1011	101A					
150	CMU1511	151A	CU1511			CLU1511	151A		AS3602	251A	ASM6662	251A
250	CMU2511	251A	CU2511			CLU2511	251A					
350	CMU3511	351A	CU3511			CLU3511	351A					
500	CMU5011	501A	CU5011			CLU5011	501A		AS3603	501A	ASM6663	501A
750	CMU7511	751A	CU7511			CLU7511	751A					
1,000	CMU1021	102A	CU1021			CLU1021	102A		AS3604	102A	ASM6664	102A
1,500	CMU1521	152A	CU1521			CLU1521	152A		AS3605	252A	ASM6665	252A
2,500	CMU2521	252A	CU2521			CLU2521	252A					
3,500	CMU3521	352A	CU3521			CLU3521	352A		AS3606	502A	ASM6666	502A
5,000	CMU5021	502A	CU5021			CLU5021	502A					
7,500	CMU7521	752A	CU7521			CLU7521	752A		AS3607	103A	ASM6667	103A
10,000	CMU1031	103A	CU1031		CB1031	CLU1031	103A	CCU1031				
15,000	CMU1531	153A	CU1531			CLU1531	153A					
25,000	CMU2531	253A	CU2531		CB2531	CLU2531	253A	CCU2531	AS3608	253A	ASM6668	253A
35,000	CMU3531	353A	CU3531			CLU3531	353A					
50,000	CMU5031	503A	CU5031		CB5031	CLU5031	503A	CCU5031	AS3609	503A	ASM6669	503A
75,000	CMU7531	753A	CU7531			CLU7531	753A		AS3610	104A	ASM6670	104A
.1 meg.	CMU1041	104A	CU1041	CA1041		CLU1041	104A	CCU1041				
.15 meg.	CMU1541	154A	CU1541			CLU1541	154A					
.25 meg.	CMU2541	254A	CU2541	CA2541		CLU2541	254A	CCU2541	AS3611	254A	ASM6671	254A
.35 meg.	CMU3541	354A	CU3541			CLU3541	354A					
.5 meg.	CMU5041	504A	CU5041	CA5041		CLU5041	504A	CCU5041	AS3612	504A	ASM6672	504A
.75 meg.*	CMU7542	754B	CU7542			CLU7542	754B					
1.0 meg.*	CMU1052	105B	CU1052	CA1052		CLU1052	105B	CCU1052	AS3613	105B	ASM6673	105B
1.5 meg.*	CMU1552	155B	CU1552			CLU1552	155B					
2.0 meg.*	CMU2052	205B	CU2052			CLU2052	205B		AS3684	205B	ASM6674	205B
2.5 meg.*	CMU2552	255B	CU2552	CA2552		CLU2552	255B		AS3614	255B	ASM6675	255B
3.5 meg.*	CMU3552	355B	CU3552			CLU3552	355B					
5.0 meg.*	CMU5052	505B	CU5052			CLU5052	505B		AS3615	505B	ASM6676	505B
Weight	.064 lb.		.084 lb.			.070 lb.		.123 lb.	.017 lb.		.017 lb.	

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OHMITE® Resistance Trimmers

hot molded single-turn trimmers



**TYPE AFR
SINGLE TURN**

OHMITE type AFR Trimmers are single-turn controls built to withstand severe environmental conditions. Their unique design includes a hot-molded resistor track bridged by a single moving molded contact brush. Resistance material, collector track material, insulation material and metal terminals are all molded together at one time into a single, solid, integral structure. There are no cracks or crevices to admit moisture.

Enclosure of the Ohmite type AFR is non-magnetic, corrosion resistant, and splash-proof. Type AFR Trimmers are designed for screwdriver adjustment. Fixed stops withstand a maximum shaft torque of 2 inch-pounds.

In excess of 50,000 operational cycles with low "noise" level initially — decreasing with use — can be expected in conventional applications.

CHARACTERISTICS

Power Rating: ¼ watt @ +70°C ambient temperature. Derate power linearly to zero at +120°C ambient for resistance values to 0.5 megohms. Additional derating required for resistance values over 0.1 megohms at ambients higher than 70°C.

Resistance Range: 100 ohms to 5.0 megohms. Resistance change is nominally linear with shaft rotation.

Tolerance: ±20% standard.

Temperature Range: -55°C to +120°C.

Working Voltage: 350 volts RMS, maximum.

Dielectric Strength: 750 VAC, RMS, at sea level.

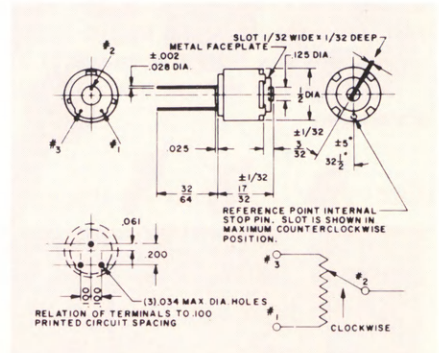
Adjustment: Single turn, 295 ±5°.

Torque: 0.25 to 3.0 inch-ounces.

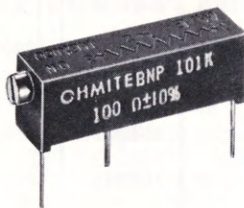
Leads: Designed for mounting directly on printed wiring boards using the terminal leads which are spaced to fit the 0.1" printed wiring board standard spacing.

TYPE AFR TRIMMERS

Ohms ±20%	Catalog Number	Ohms ±20%	Catalog Number
100	AFR-101M	25,000	AFR-253M
250	AFR-251M	50,000	AFR-503M
500	AFR-501M	.1 meg	AFR-104M
1,000	AFR-102M	.25 meg	AFR-254M
2,500	AFR-252M	.5 meg	AFR-504M
5,000	AFR-502M	1.0 meg	AFR-105M
10,000	AFR-103M	2.5 meg	AFR-255M
		5.0 meg	AFR-505M



Cermet 15-turn trimmers



Ohmite type BNP Cermet Trimmers are continuously adjustable variable resistors intended primarily for trimmer applications. Designed for use on printed circuit boards, these dependable three-terminal devices can be applied as either rheostats or potentiometers with equally satisfactory results. They are stepless and relatively non-inductive regardless of resistance value and have unexcelled stability of setting in normal environmental conditions.

The type BNP Trimmer features a low resistance collector track and terminal pins — all combined into a single, solid, integral structure. It is splash-proof, dust-tight and can be mounted by its own rugged terminals.

CHARACTERISTICS

Power Rating: .5 watt @ 85°C ambient temperature. Derate power linearly to zero at 150°C.

Resistance Range: 10 ohms to 1 megohms. Resistance change is nominally linear with shaft rotation.

Tolerance: Standard resistance tolerance is ±10%.

Temperature Range: -55°C to +125°C.

Working Voltage: 300 volts RMS, maximum at sea level.

Dielectric Strength: 900 volts RMS maximum, at room ambient conditions.

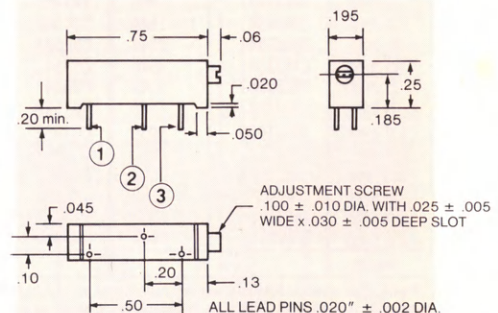
Insulation Resistance: 100 megohms minimum.

Adjustment: 15 turns nom for continuous resistance change. Mechanical release at end positions. Turning torque is 5 oz. max. slotted for screwdriver adjustment.

Leads: Pin type terminals, spaced in accordance with 0.1" printed wiring board grid system.

TYPE BNP TRIMMERS

Ohms ±10%	Catalog Number	Ohms ±10%	Catalog Number
10	BNP-100K	10,000	BNP-103K
20	BNP-200K	20,000	BNP-203K
50	BNP-500K	25,000	BNP-253K
100	BNP-101K	50,000	BNP-503K
200	BNP-201K	100K	BNP-104K
500	BNP-501K	200K	BNP-204K
1000	BNP-102K	250K	BNP-254K
2000	BNP-202K	500K	BNP-504K
5000	BNP-502K	1MEG	BNP-105K



diode metersaver protects meters



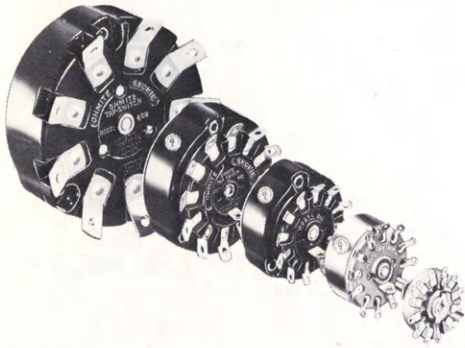
Designed to protect sensitive (high internal resistance) meters against burnout due to overload even where potential is reversed. Introduces negligible error. Consists of 2 silicon diodes in compact case with leads and lugs. Connects across meter terminals without regard for polarity. Shunts excess

current around meters—for example, can convert 200 times overload to 3 times overload. Allows use of less expensive meter fuses. Can be used with meters of low internal resistance but use of series resistor is then recommended.

Catalog No. OMC7111

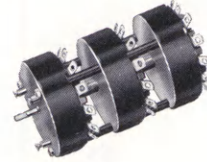
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OHMITE® power tap switches, high current, non-shorting type



Introducing

MODEL 711 Smallest Switch for Its Rating 7 Amps, 125 Volts



Ohmite single pole, rotary, multi-position switches have proven their durability over many years in demanding applications. Such applications are found in switchboards, arc welders, spot welders, battery chargers, motor controls, tapped transformers, X-ray equipment, diathermy equipment, radio transmitters, electrical machine tools and many other products. Six sizes, including the new, miniature Model 711, provide a choice of ratings from 7 amperes at 125 volts to 100 amperes at 300 volts AC. A choice of the number of taps is provided up to the maximums indicated. All switches are enclosed except for the Models 711 and 111. All switches feature the slow-break, quick-make action deemed so desirable for switching of AC current.

The five sizes offering ratings from 15 amperes to 100 amperes (Models 111, 212, 312, 412 and 608) feature all ceramic, arc-proof bodies and solid silver alloy, fixed and movable contacts. The large, thick, silver-alloy fixed contact disks are permanently welded to copper studs. These, in turn, are riveted and soldered to sturdy terminal lugs, assuring a permanent mechanical and electrical joint. The rotor (moving) contact, also of solid silver-alloy, is riveted and soldered to the contact arm. Face of the rotor contact is slightly rounded assuring a perfect seating of the contacts with a slight rubbing, self-cleaning motion on every operation.

The new Model 711 tap switch was designed to achieve high current capability with small size. It is actually smaller than many low current instrument switches. It interrupts 7 amperes at 125 VAC and can carry 15 amperes AC or DC. The Model 711 features a melamine phenolic body with solid silver alloy fixed and movable contacts. Dual-purpose terminals allow connection by soldering or by means of $\frac{3}{16}$ " quick-connectors. This switch is stocked as a single, unenclosed unit, but is available made-to-order in enclosed tandem assemblies up to 10 units or as a single enclosed unit.

The following Ohmite Tap Switches are listed by the Underwriters' Laboratories, Inc., Reexamination Service for use where the acceptability of combination (with other apparatus) has been determined by them: Models 111, 212, 312 and 412. Variations from the basic switch design, identified by suffixes A, B, C, or X are also Underwriters' approved. When the switches are not factory installed, screw terminals are specified by the Underwriters' Laboratories for Model 312 and soldering lugs for Model 412. Further information on terminal fittings is available on request. When an Underwriters' approved unit is required, specify this on the order.

MODEL 711 TAP SWITCH

Alternating Current Rating **7 Amps, 125 Volts** — Diameter $1\frac{1}{8}$ " — Shaft Diameter $\frac{1}{4}$ " — Standard Mounting: For $\frac{1}{8}$ " panel maximum, by means of $\frac{3}{8}$ "-32 threaded bushing and hex. nut. See mounting illustration "A." Weight, single unit: .047 lb. approximately. Dual-purpose terminals accept $\frac{3}{16}$ " quick-connectors as well as soldering. Non-turn lug can be positioned at "12, 3, 6, and 9 o'clock."

Depth Behind Panel		Single Unit $1\frac{1}{8}$ "	2-in-Tandem $1\frac{7}{8}$ "	3-in-Tandem $2\frac{1}{2}$ "
No. of Taps	Total Rotation	Catalog No. ¹	Catalog No. ¹	Catalog No. ¹
3	60°	711-3	711-3-T2	(711-3-T3)
4	90°	711-4	711-4-T2	711-4-T3
5	120°	711-5	711-5-T2	(711-5-T3)
6	150°	711-6	711-6-T2	(711-6-T3)
7	180°	(711-7)	(711-7-T2)	(711-7-T3)
8	210°	711-8	(711-8-T2)	(711-8-T3)
9	240°	711-9	(711-9-T2)	(711-9-T3)
10	270°	711-10	(711-10-T2)	(711-10-T3)
11	300°	711-11	711-11-T2	(711-11-T3)
Recommended Knobs — (See p. 26 description)		Catalog No. 5103A	Catalog No. 5103A	Catalog No. 5116A

MODEL 111 TAP SWITCH

Alternating Current Rating **15 Amps, 125 Volts** — Diameter $1\frac{3}{4}$ " — Shaft Diameter $\frac{1}{4}$ " — Standard Mounting: For $\frac{1}{4}$ " panel maximum, by means of $\frac{3}{8}$ "-32 threaded bushing and hex. nut. See mounting illustration "A." For Tandem Mounting see illustration "B." Weight, single unit: .16 lb. approximately.

Depth Behind Panel		Single Unit $1\frac{3}{4}$ "	2-in-Tandem $2\frac{3}{4}$ "
No. of Taps	Total Rotation	Catalog No. ¹	Catalog No. ¹
3	60°	111-3	111-3-T2
4	90°	111-4	111-4-T2
5	120°	111-5	111-5-T2
6	150°	111-6	111-6-T2
7	180°	111-7	(111-7-T2)
8	210°	111-8	111-8-T2
9	240°	111-9	(111-9-T2)
10	270°	111-10	111-10-T2
11	300°	111-11	111-11-T2
Recommended Knobs — (See p. 26 for description)		Catalog No. 5150A or 5116A	Catalog No. 5109A or 5110A

MODEL 212 TAP SWITCH

Alternating Current Rating **20 Amps, 150 Volts** — Diameter $2\frac{1}{4}$ " — Shaft Diameter $\frac{1}{4}$ " — Standard Mounting: For $\frac{1}{4}$ " panel maximum, by means of $\frac{3}{8}$ "-32 threaded bushing and hex. nut — See mounting illustration "C." Tandem Mounting for $\frac{1}{4}$ " panel maximum, three No. 10-32 flat-head machine screws $\frac{3}{8}$ " long — See mounting illustration "D." Weight, single unit: .4 lb. approximately.

Depth Behind Panel		Single Unit $2\frac{1}{4}$ "	2-in-Tandem $4\frac{1}{4}$ "	3-in-Tandem $6\frac{1}{4}$ "
No. of Taps	Total Rotation	Catalog No. ¹	Catalog No. ¹	Catalog No. ¹
3	60°	212-3	212-3-T2	212-3-T3
4	90°	212-4	(212-4-T2)	212-4-T3
5	120°	212-5	(212-5-T2)	(212-5-T3)
6	150°	212-6	212-6-T2	212-6-T3
7	180°	212-7	(212-7-T2)	(212-7-T3)
8	210°	212-8	212-8-T2	(212-8-T3)
9	240°	212-9	(212-9-T2)	(212-9-T3)
10	270°	212-10	(212-10-T2)	(212-10-T3)
11	300°	212-11	212-11-T2	(212-11-T3)
12	330°	212-12	212-12-T2	212-12-T3
Recommended Knobs — (See p. 26 for description)		Catalog No. 5150A or 5116A	Catalog No. 5111A or 5112A	Catalog No. 5111A or 5112A

MODEL 312 TAP SWITCH

Alternating Current Rating **30 Amps, 300 Volts** — 150V A.C. between taps — Diameter $3\frac{1}{4}$ " — Shaft Diameter $\frac{1}{4}$ " — Standard Mounting: For $\frac{1}{4}$ " panel maximum, three No. 10-32 flat-head machine screws $\frac{3}{8}$ " long — See mtg. illus. "D." Weight, single unit: .75 lb. approx.

Depth Behind Panel		Single Unit $3\frac{1}{4}$ "	2-in-Tandem $4\frac{1}{4}$ "	3-in-Tandem $7\frac{1}{4}$ "
No. of Taps	Total Rotation	Catalog No. ¹	Catalog No. ¹	Catalog No. ¹
3	60°	312-3	312-3-T2	(312-3-T3)
4	90°	312-4	(312-4-T2)	312-4-T3
5	120°	312-5	(312-5-T2)	312-5-T3
6	150°	312-6	312-6-T2	312-6-T3
7	180°	312-7	(312-7-T2)	312-7-T3
8	210°	312-8	312-8-T2	(312-8-T3)
9	240°	312-9	(312-9-T2)	312-9-T3
10	270°	312-10	(312-10-T2)	312-10-T3
11	300°	312-11	(312-11-T2)	(312-11-T3)
12	330°	312-12	312-12-T2	312-12-T3
Recommended Knobs — (See p. 26 for description)		Catalog No. 5109A or 5110A	Catalog No. 5111A or 5112A	Catalog No. 5111A or 5112A

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OHMITE® power tap switches, high current, non-shorting type

MODEL 412 TAP SWITCH

Alternating Current Rating **50 Amps. 300 Volts** — 150V. A.C. between taps — Diameter $4\frac{3}{4}$ " — Shaft Diameter $\frac{1}{4}$ " — Standard Mounting: For $\frac{1}{4}$ " panel maximum three No. 10-32 flat-head machine screws $\frac{3}{8}$ " long — See mtg. illus. "E." Weight, single unit: 1.4 lbs. approx.

Depth Behind Panel		Single Unit	2-in-Tandem	3-in-Tandem
		2 $\frac{1}{16}$ "	5 $\frac{1}{32}$ "	7 $\frac{5}{16}$ "
No. of Taps	Total Rotation	Catalog No. ¹	Catalog No. ¹	Catalog No. ¹
3	60°	412-3	(412-3-T2)	(412-3-T3)
4	90°	412-4	(412-4-T2)	412-4-T3
5	120°	412-5	(412-5-T2)	412-5-T3
6	150°	412-6	(412-6-T2)	412-6-T3
7	180°	412-7	(412-7-T2)	412-7-T3
8	210°	412-8	(412-8-T2)	412-8-T3
9	240°	412-9	(412-9-T2)	(412-9-T3)
10	270°	412-10	412-10-T2	412-10-T3
11	300°	412-11	(412-11-T2)	(412-11-T3)
12	330°	412-12	412-12-T2	412-12-T3
Recommended Knobs (see p. 26)		Catalog No. 5111A or 5112A	Catalog No. 5111A or 5112A	Catalog No. 5111A or 5112A

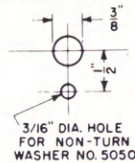
MODEL 608 TAP SWITCH

Alternating Current Rating **100 Amps. 300 Volts** — Diameter 6" — Shaft Diameter $\frac{3}{8}$ " — Standard Mounting: For 1" panel maximum, three flat-head machine screws $\frac{1}{4}$ "-20 x $1\frac{1}{4}$ " — See mounting illustration "F." Weight, single unit: 5 lbs. approx.

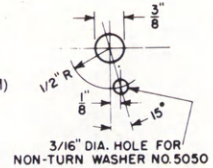
Depth Behind Panel		Single Unit	2-in-Tandem	3-in-Tandem
		3 $\frac{3}{16}$ "	8 $\frac{13}{16}$ "	10 $\frac{5}{16}$ "
No. of Taps	Total Rotation	Catalog No. ¹	Catalog No. ¹	Catalog No. ¹
3	80°	608-3	608-3-T2	608-3-T3
4	120°	608-4	608-4-T2	608-4-T3
5	160°	608-5	608-5-T2	608-5-T3
6	200°	608-6	608-6-T2	608-6-T3
7	240°	608-7	608-7-T2	(608-7-T3)
8	280°	608-8	608-8-T2	608-8-T3
Recommended Knobs (see p. 26)		Catalog No. 5104A or 5105A	Catalog No. 5104A 5115 or 5105A	Catalog No. 5115

TAP SWITCH MOUNTING DIMENSIONS

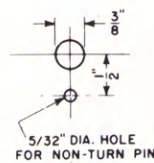
A
MODEL 711 & 111 (SINGLE UNIT)



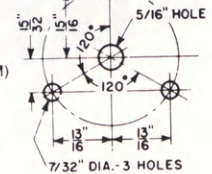
B
MODEL 111 (TANDEM)



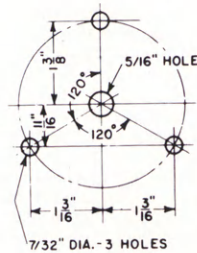
C
MODEL 212 (SINGLE UNIT)



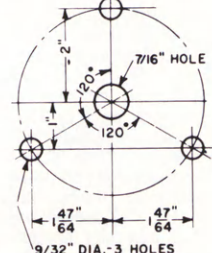
D
MODEL 212 (TANDEM)
MODEL 312 (ALL UNITS)



E
MODEL 412 (ALL UNITS)



F
MODEL 608 (ALL UNITS)



ALL CERAMIC OPEN TYPE TAP SWITCHES

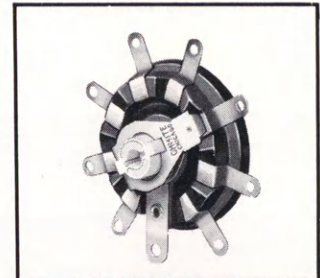
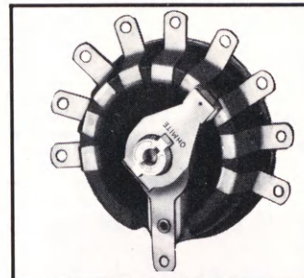
Designed to transfer currents of several amperes in circuits requiring high voltage insulation. Ceramic body construction is the same as employed in Models J and K rheostats (see page 25). Monel metal taps; silver-graphite brush.

SHORTING TYPE SWITCH: Moving contact bridges closely spaced taps completing a new circuit before breaking the previous one. Switch arm is not indexed and can be left in any position.

NON-SHORTING SWITCH: Positively indexed, moving contact completely disconnects from one tap before contacting succeeding tap.

Switches up to 8 taps are approximately $3\frac{1}{4}$ " diameter including lugs; 9 to 12 tap switches are approximately $4\frac{1}{4}$ " diameter. Switches can be ordered assembled 2 to 3 in tandem. Single hole mounting by means of $\frac{3}{8}$ " diameter bushing and hexagon nut accommodates panels up to $\frac{1}{4}$ " thick (maximum). The "non-turn" lug requires a $\frac{3}{8}$ " panel hole $\frac{1}{2}$ " below the center of the shaft. Shaft diameter is $\frac{1}{4}$ ". Recommended knob, Stock No. 5150, see Rheostat Knobs in Section 4750.

Maximum current capacity is 7 amperes but only 3 amperes at 120 V.A.C. should be interrupted. Current ratings are less for all direct current circuits above 20 volts, for inductive circuits and high voltages.



No. of Contacts	Catalog No. ¹	No. of Contacts	Catalog No. ¹
4	T-504-S	3	T-503
5	(T-505-S)	4	(T-504)
6	T-506-S	5	T-505
7	(T-507-S)	6	(T-506)
8	(T-508-S)	7	T-507
9	(T-1009-S)	8	T-508
10	T-10010-S	9	T-1009
11	(T-10011-S)	10	T-10010
12	T-10012-S	11	(T-10011)
		12	T-10012

¹ Avg. Wt. T-500 Series .28 lb.; T-100 Series .68 lb.

TAP SWITCH DIALS



Dials for Ohmite tap switches are made of aluminum, etched and enameled black. Dial markings are bright aluminum. The number of dial calibrations or position markings agree with the actual number of positions on the switch. Note, in the table, that dials for switches Models 212 and 312 are available in two diameters to suit the recommended knob.

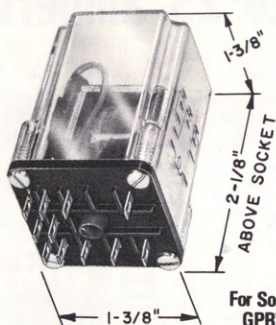
Catalog No. ¹	For Model	For Knob ²	Dial Dia.
5002-*	111 212(Single) 312(Single)	5109 5116 5150	2 $\frac{3}{4}$ "
5003-*	212(Tandem) 312(Tandem) 412	5111 5152A	3 $\frac{3}{4}$ "
5004-*	608	5104 5115	5 $\frac{1}{2}$ "

* Specify no. of positions as a suffix.

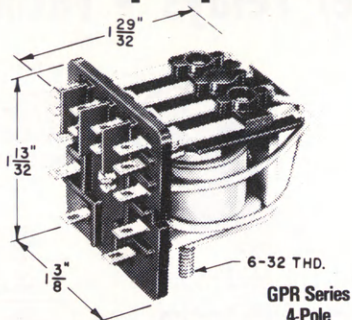
² See Rheostat Knobs, Section 4750.

¹ Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

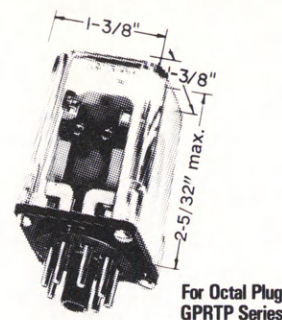
OHMITE® general purpose relays – GPR series



For Socket Mount
GPRTS Series



GPR Series
4-Pole



For Octal Plug
GPRTS Series

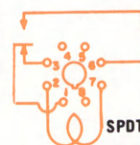
STOCK GPR RELAYS*

10 AMP CONTACTS

Contacts	COIL DATA		UL-CSA	CSA SOCKET MOUNT ENCLOSED (for SOGPR SOCKET)* Cat. No.† Prefix GPRTSX	CSA PLUG BASE MOUNT ENCLOSED Cat. No.† Prefix GPRTPX	INDICATOR-PLUG BASE ENCLOSED Cat. No.† Prefix GPRTPX
	Volts	Approximate Amps	UNEN-CLOSED Cat. No.† Prefix GPRX			
SPDT	6VAC	.334		-203T	-203T	
DPDT	6VAC	.334		-206T	-206T	-291T
3PDT	6VAC	.334		-209T	-209T	
4PDT	6VAC	.650		-433T	-433T†	
SPDT	12VAC	.167		-212T	-212T	
DPDT	12VAC	.167		-215T	-215T	-292T
3PDT	12VAC	.167		-218T	-218T	
4PDT	12VAC	.309		-436T	-436T†	
SPDT	24VAC	.084		-221T	-221T	
DPDT	24VAC	.084		-224T	-224T	-293T
3PDT	24VAC	.084		-227T	-227T	
4PDT	24VAC	.155		-439T	-439T†	
SPDT	115VAC	.0174		-230T	-230T	
DPDT	115VAC	.0174		-233T	-233T	-294T
3PDT	115VAC	.0174		-236T	-236T	
4PDT	115VAC	.0325		-442T	-442T†	
SPDT	230VAC	.0087		-239T	-239T	
DPDT	230VAC	.0087		-242T	-242T	-295T
3PDT	230VAC	.0087		-245T	-245T	
4PDT	230VAC	.0147		-445T	-445T†	
SPDT	6VDC	.23		-248T	-248T	
DPDT	6VDC	.23		-251T	-251T	-296T
3PDT	6VDC	.23		-254T	-254T	
4PDT	6VDC	.23		-448T	-448T†	
SPDT	12VDC	.114		-257T	-257T	
DPDT	12VDC	.114		-260T	-260T	-297T
3PDT	12VDC	.114		-263T	-263T	
4PDT	12VDC	.114		-451T	-451T†	
SPDT	24VDC	.060		-266T	-266T	
DPDT	24VDC	.060		-269T	-269T	-298T
3PDT	24VDC	.060		-272T	-272T	
4PDT	24VDC	.060		-454T	-454T†	
SPDT	110VDC	.0110		-275T	-275T	
DPDT	110VDC	.0110		-278T	-278T	-299T
3PDT	110VDC	.0110		-281T	-281T	
4PDT	110VDC	.0110		-457T	-457T†	
Approx. weight			2.5 oz.	3.5 oz.	3.5 oz.	3.5 oz.

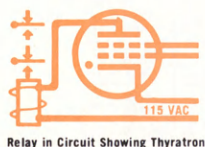
*Note: Socket for GPRxxxT, GPRTxxxT Relays: SOGPR-9, up to 3 pole; SOGPR-12, 4 pole

Plug wiring schemes for octal plug base (GPRTS) relays



GPR THYRATRON RELAYS—10 AMP CONTACTS

Contacts	UNEN-CLOSED Cat. No.† Prefix GPRX	SOCKET MT. ENCLOSED (for SOGPR SOCKET)* Cat. No.† Prefix GPRTSX	PLUG BASE MOUNT ENCLOSED Cat. No.† Prefix GPRTPX
SPDT	-391T		-391T
DPDT	-392T		-392T
3PDT	-393T		-393T
4PDT	-483T	-483T	



Relay in Circuit Showing Thyatron

Thyatron Plate Relay: Designed specifically for plate circuit of thyatron tubes 2050 and 2D21 with 115 VAC supply (see diagram). Also suitable for operation in series with silicon controlled rectifiers from a 115 VAC supply. Ready to work, no capacitors or adjustments required, no chatter. Available unenclosed and in most GPRX enclosures.

Plate Relays:

Feature same physical construction as standard general purpose relays but are adjusted for greater sensitivity and can be used as electronic circuit controls, i.e., in the plate circuits of standard vacuum tubes.

GPR PLATE CIRCUIT RELAYS—5 AMP CONTACTS

Con-tacts	COIL DATA		UNENCLOSED Cat. No.† Prefix GPRX	PLUG BASE MOUNT ENCLOSED Cat. No.† Prefix GPRTPX
	Ohms	Pull-in Max. ma.		
SPDT	2500	7.2	-82T	-82T
DPDT	2500	10	-83T	-83T
3PDT	2500	12.3	-84T	-84T
4PDT	2500	15.0	-463T	
SPDT	5000	5	-85T	-85T
DPDT	5000	7.2	-86T	-86T
3PDT	5000	8.7	-87T	-87T
4PDT	5000	11	-466T	
SPDT	10,000	3.6	-88T	-88T
DPDT	10,000	5	-89T	-89T
3PDT	10,000	6.1	-90T	-90T
4PDT	10,000	7.5	-469T	
Approx. weight			2.5 oz.	3.5 oz.

*Column heads carry symbols to indicate UL or CSA (Canadian Standards Assn.) approval. "UL" indicates that relay is recognized under UL "components program" (File No. E33069, Guide No. 380W1.14C Assignment No. 62C3559A). CSA File No. is 21309.

†4-Pole GPRTS relays are not covered by CSA.

1 Popular items appear in BOLD print and are usually in stock. Items appearing in LIGHT FACE print are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

MODEL DO RELAYS (AC or DC)

Particularly adaptable to aircraft and mobile equipment applications where severe shock and vibration are encountered. Design of molded parts around contact arms protects against mechanical injury. Stocked in 3-pole or 4-pole type, and also in hermetic enclosures and in latching types.

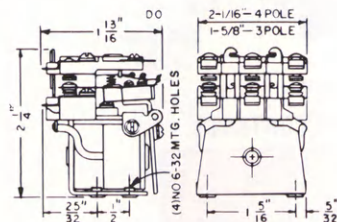
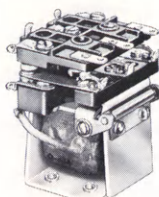
Coil Wattage: 3.00 watts, DC operation; 6.00 watts, 60 cycle AC. Maximum temperature rise 45°C, DC operation; 75°C, AC.

Coil Operating Voltage: Any voltage up to 230 VDC or 440 VAC, 60 cycle. Stock voltages in table.

Contacts: 10 amps nominal. Ratings are for 115 VAC or 32 VDC, resistive load.

Weight: Unenclosed 3-pole, 5 oz.; 4-pole, 6 oz.

STANDARD UNENCLOSED

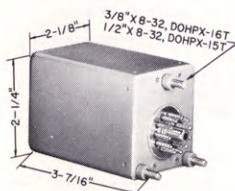
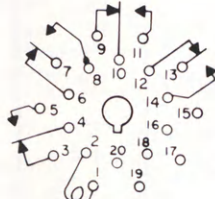
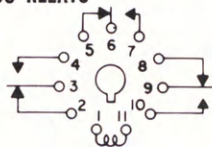


DO RELAYS IN HERMETIC ENCLOSURES

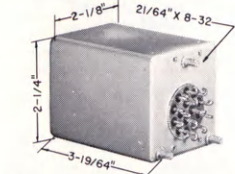
Stock DO relays with 115 volt coil in hermetically sealed metal enclosures, filled with dry nitrogen. Enclosures provide protection for relay under most adverse ambient conditions. Both 3 and 4-pole DO relays are supplied in these enclosures with plug (DOHPX-) or solder terminal (DOHX-) connectors as illustrated. See listings in stock table at right.

Weight: 3-pole hermetic relay approx. 14 oz.; 4-pole approx. 15 oz.

WIRING FOR PLUG-BASE DO RELAYS



DOHPX-16T, 3PDT, 11 Prongs
DOHPX-15T, 4PDT, 20 Prongs



DOHX-22T, 3PDT, 14 Terminals
DOHX-23T, 4PDT, 14 Terminals

DOHPX-16T

DOHPX-15T

MODEL DOS RELAYS

Wide application, general purpose relay, compact and lightweight. Handles loads usually demanded of much larger relays. Meets rigorous aircraft relay standards.

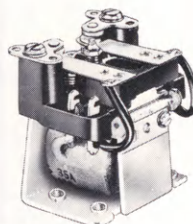
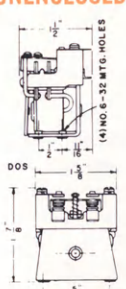
Coil Wattage: 2.5 watts, DC operation; 3 watts, 60 cycle AC. Maximum temperature rise 45°C, DC operation; 65°C, AC.

Coil Operating Voltage: Any voltage up to 230 VDC or 440 VAC, 60 cycles. Table lists stock voltages.

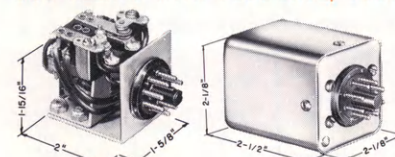
Contacts: 15 amps nominal. Rating is for 115 VAC or 32 VDC, resistive load.

Weight: Unenclosed, 4 oz.

STANDARD UNENCLOSED

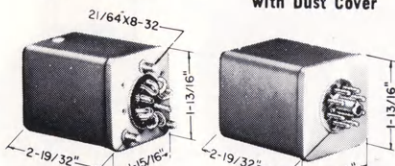


DOS RELAYS WITH PLUG-BASE, DUST-COVERS & HERMETIC ENCLOSURES



DOSPX-1T
Octal Plug-Base

DOSEPX-5T
Octal Plug Base
with Dust Cover



Hermetic Enclosures
with 8 Terminals
DOSHX-39T, 115VDC
DOSHX-40T, 115VAC

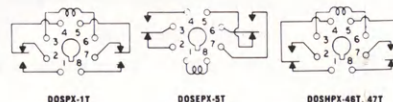
Hermetic Enclosures
with Octal Plugs
DOSHPX-46T, 115VDC
DOSHPX-47T, 115VAC

DOS relays with 115 VAC coils are available from stock with a standard octal plug base, unenclosed (DOSPX-1T) or with an octal plug base and drawn aluminum, removable dust-tight enclosure (DOSEPX-5T).

Weight: 8 oz. each.

Hermetically Sealed non-removable enclosures, filled with dry nitrogen, are also available to provide protection under adverse ambient conditions. DOS relays with 115 VAC or DC coils are provided in these enclosures with either octal plug (DOSHPX-) or solder-terminal (DOSHX-) connectors as illustrated. See listings and prices in DOS stock table.

Weight: 8 oz. each approx.



STANDARD DO RELAYS — 10 & 20* AMP CONTACTS

		Coil Data		
Catalog No. ¹	Contacts	Volts	Amps	DC Ohms
UNENCLOSED				
DOX-50T	3PDT	6VAC	2.33	0.36
DOX-183T	4PDT	6VAC	2.33	0.36
DOX-49T	3PDT	12VAC	1.28	1.40
DOX-184T	4PDT	12VAC	1.28	1.40
DOX-181T	3PDT	24VAC	.57	5.50
DOX-185T	4PDT	24VAC	.57	5.50
DOX-226T	DPST*	115VAC	.110	145.0
DOUX-34**	DPST*	115VAC	.110	145.0
DOX-227T	3PST-N.O.	115VAC	.110	145.0
DOUX-28**	3PST-N.O.	115VAC	.110	145.0
DOX-46T	3PDT	115VAC	.110	145.0
DOUX-30**	3PDT	115VAC	.110	145.0
DOX-228T	4PST-N.O.	115VAC	.110	145.0
DOUX-31**	4PST-N.O.	115VAC	.110	145.0
DOX-53T	4PDT	115VAC	.110	145.0
DOUX-33**	4PDT	115VAC	.110	145.0
DOX-61T	3PDT	230VAC	.070	550.0
DOX-130T	4PDT	230VAC	.070	550.0
DOX-145T	3PDT	6VDC	.487	12.3
DOX-186T	4PDT	6VDC	.487	12.3
DOX-51T	3PDT	12VDC	.231	51.8
DOX-102T	4PDT	12VDC	.231	51.8
DOX-141T	3PDT	24VDC	.105	230.0
DOX-137T	4PDT	24VDC	.105	230.0
DOX-93T	3PDT	110VDC	.022	5000
DOX-187T	4PDT	110VDC	.022	5000
DOX-182T	3PDT	220VDC	.014	16,100
DOX-188T	4PDT	220VDC	.014	16,100

IN HERMETIC ENCLOSURE

DOHPX-16T	3PDT	115VAC	.110	145.0
DOHPX-15T	4PDT	115VAC	.110	145.0
DOHX-22T	3PDT	115VAC	.110	145.0
DOHX-23T	4PDT	115VAC	.110	145.0

*DOX-226T and DOUX-34 20 amps, double break contacts.

STOCK DOS RELAYS — 15 & 25* AMP CONTACTS

Catalog No. ¹	Contacts	Coil Data		
		Volts	Amps	DC Ohms
UNENCLOSED				
DOSX-229T	SPST*	6VAC	.890	1.07
DOSX-230T	DPST-N.O.	6VAC	.890	1.07
DOSX-30T	DPDT	6VAC	.890	1.07
DOSX-16T	DPDT	12VAC	.460	4.20
DOSX-231T	SPST*	24VAC	.269	15.5
DOSX-232T	DPST-N.O.	24VAC	.269	15.5
DOSX-162T	DPDT	24VAC	.269	15.5
DOSX-233T	SPST*	115VAC	.043	450
DOSUX-34**	SPST*	115VAC	.043	450
DOSX-234T	DPST-N.O.	115VAC	.043	450
DOSUX-31**	DPST-N.O.	115VAC	.043	450
DOSX-7T	DPDT	115VAC	.043	450
DOSUX-33**	DPDT	115VAC	.043	450
DOSX-235T	SPST*	230VAC	.030	1450
DOSX-236T	DPST-N.O.	230VAC	.030	1450
DOSX-12T	DPDT	230VAC	.030	1450
DOSX-158T	DPDT	6VDC	.450	13.4
DOSX-66T	DPDT	12VDC	.210	56.2
DOSX-9T	DPDT	24VDC	.105	230.0
DOSX-237T	SPST*	110VDC	.022	5000
DOSX-238T	DPST-N.O.	110VDC	.022	5000
DOSX-59T	DPDT	110VDC	.022	5000
DOSX-177T	DPDT	220VDC	.013	16,400

WITH PLUG BASE

DOSPX-1T	DPDT	115VAC	.043	450
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WITH DUST COVER/PLUG BASE

DOSEPX-5T	DPDT	115VAC	.043	450
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IN HERMETIC ENCLOSURE

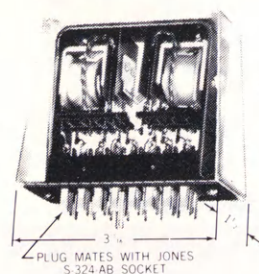
DOSHX-40T	DPDT	115VAC	.043	450
DOSHPX-47T	DPDT	115VAC	.043	450
DOSHX-39T	DPDT	110VDC	.022	5000
DOSHPX-46T	DPDT	110VDC	.022	5000

*Double-break contacts — 25 amp rating.

¹ Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

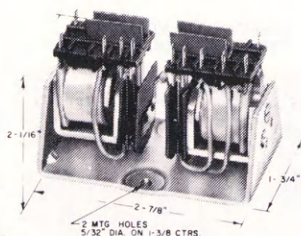
**These relays are recognized under U.L. components program (File No. E-33069) and CSA approved (File No. 21309).

OHMITE® latching relays & sensitive 15 amps relays



Enclosed Latching Relay (GPRLETP)

6PDT Latching Relay (GPRLE)



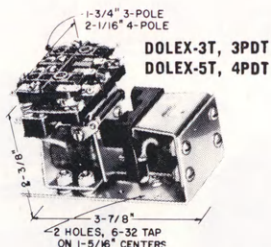
STOCK GPR LATCHING RELAYS — 5 AMP CONTACTS

Total Contacts	COIL DATA — (Each Coil)			Unenclosed GPRLE*	Enclosed Plug-Base GPRLETP*
	Volts	Amps	Ohms		
4PDT	6VAC	.650	2.5	GPRLEX-1T	GPRLETPX-1T
6PDT	6VAC	.650	2.5	GPRLEX-2T	GPRLETPX-2T
4PDT	12VAC	.309	10.0	GPRLEX-3T	GPRLETPX-3T
6PDT	12VAC	.309	10.0	GPRLEX-4T	GPRLETPX-4T
4PDT	24VAC	.155	40.0	GPRLEX-5T	GPRLETPX-5T
6PDT	24VAC	.155	40.0	GPRLEX-6T	GPRLETPX-6T
4PDT	115VAC	.0325	1000	GPRLEX-7T	GPRLETPX-7T
6PDT	115VAC	.0325	1000	GPRLEX-8T	GPRLETPX-8T
4PDT	230VAC	.0147	4000	GPRLEX-9T	GPRLETPX-9T
6PDT	230VAC	.0147	4000	GPRLEX-10T	GPRLETPX-10T
4PDT	6VDC	.35	17	GPRLEX-11T	GPRLETPX-11T
6PDT	6VDC	.35	17	GPRLEX-12T	GPRLETPX-12T
4PDT	12VDC	.185	65	GPRLEX-13T	GPRLETPX-13T
6PDT	12VDC	.185	65	GPRLEX-14T	GPRLETPX-14T
4PDT	24VDC	.093	256	GPRLEX-15T	GPRLETPX-15T
6PDT	24VDC	.093	256	GPRLEX-16T	GPRLETPX-16T
4PDT	110VDC	.022	5000	GPRLEX-17T	GPRLETPX-17T
6PDT	110VDC	.022	5000	GPRLEX-18T	GPRLETPX-18T
Approx. weight				7.0 oz.	11.3 oz.

*Column heads carry symbols to indicate UL or CSA (Canadian Standards Assn.) approval. The gray tint indicates that relay is recognized under UL "components program" (File No. E33069, Guide No. 380W1.14C, Assignment No. 62C3559A). CSA File No. is 21309. See explanation in "UL and CSA Approval."

Latching Relay: Consists of two GPR relays with armatures linked so that the n.o. contacts of one are mechanically latched in closed position when, and after, this relay is energized. When 2nd relay is energized, first relay restores and latches 2nd. Permits switching of twice the number of circuits and holding without coil current. Unenclosed type "GPRLE." Enclosed type "GPRLETP" in clear plastic case with Jones plug P-324-SB fitting S-324-AB socket.

MODEL DO LATCHING RELAY (DOLEX-)



Weights: 3-pole — 16.5 oz.; 4-pole — 17 oz.

Consists of Model DO relay and a "reset magnet" with both armatures mechanically latched so that the normally open contacts of the relay remain closed when the relay energizing voltage is removed. The relay releases to

normal position when the reset coil is pulsed. Permits "holding" of circuits without continuous coil current. Coils of stock units (both relays and reset coils) are 115 VAC. Available with 3 or 4-pole DO relays

STANDARD LATCHING TYPE

Catalog No. ¹	Type	Volts	Coil Data† Amps	DC Ohms
DOLEX-3T	3PDT	115VAC	.110	145.0
DOLEX-5T	4PDT	115VAC	.110	145.0

†Coil data applies to relay part of latching assembly. Reset magnet operates on 115VAC, 60 cycle also.

MODEL DOS LATCHING RELAY (DOSLEX-)

Consists of Model DOS relay and a "reset magnet" with both armatures mechanically latched so that the normally open contacts of the relay remain closed when the relay energizing voltage is removed. The relay releases to normal position when the reset coil is pulsed. Permits "holding" of circuits without continuous coil current. Coils of stock units (both relay and reset magnet) are 115VAC.

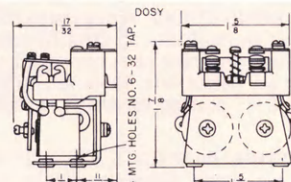
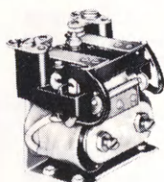
Weight: 14.2 oz.

LATCHING TYPE

Catalog No. ¹	Type	Volts	Coil Data† Amps	DC Ohms
DOSLEX-1T	DPDT	115VAC	.043	450

†Coil data applies to relay part of latching assembly. Reset magnet operates on 115 VAC, 60 cycle also.

SENSITIVE MODEL DOSY RELAY FOR PLATE CIRCUITS — 15 AMPS



Similar in construction to Model DOS relay but equipped with twin coils for increased sensitivity. The DOSY relay is adaptable to a wide range of electronic control applications such as plate circuit controls, or as overload or underload controls in D.C. circuits to signal attainment of predetermined current levels.

Coil Wattage: 1.00 watt, with maximum temperature rise of 45°C. Lower wattages available.

Contacts: Stock combinations as listed. Ratings are for 115 VAC or 32 VDC, resistive load.

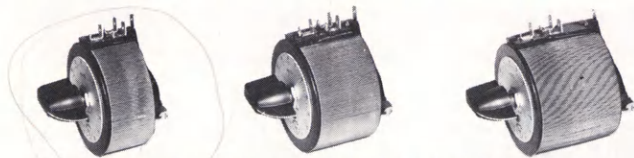
Weight: Approximately 4½ ounces.

Catalog No. ¹	Type	Coil Data		Contact Amps
		DC Ohms	Max. Pull-in Current	
DOSYX-67T	DPDT	10,000	8 MA	15
DOSYX-68T	DPDT	5,000	11 MA	15
DOSYX-69T	SPDT	10,000	5 MA	15
DOSYX-70T	SPDT	5,000	7 MA	15

¹ Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in de th. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

OHMITE® variable transformers

Unique for the design innovations they incorporate, Ohmite "OHMITRAN" v.t.® variable transformers include exclusive field-proven features. They offer long, low maintenance operation with excellent regulation at any voltage setting within the rated load plus an output free of waveform distortion. Six frame sizes offer a wide range of electrical ratings to meet most industrial applications. These include three new, compact, low-power models (VT1, VT02, VT3,) which permit a fine choice of six ratings from 1.3 to 3.3 amperes.



VT1, VT02, VT2LN, VT3 SERIES, SINGLE, UNCASD

Angle of rotation $320^\circ \pm 5^\circ$

The VT1, rated 1 ampere, is the smallest commercial variable transformer available.

UL LISTING: A number of variable transformers used for 120 volt line operation are underwriters' laboratories listed.

POSITIVE CURRENT TRANSFER . . . achieved with specially designed brushes connected through high conductivity contact arms or pigtails to a large slip ring which contacts a wide area of the collector ring. The brush contact assembly on the VT1, VT02, and VT3 is instantly replaceable, when necessary, as a result of a slide-on, snap-in design. Brushes of the other models are easily replaced also.

ADJUSTABLE SHAFT: On all Ohmite transformers, except the VT2LN, the shaft may be extended out from either the brush or opposite side as desired. On the VT1, VT02, and VT3, both single and tandem assemblies, this is an exclusive Ohmite feature which affords greater versatility of mounting and application. For example, substitution of a longer shaft or extension of the standard shaft allows actuation of other devices, such as switches or potentiometers without special construction. The shaft is freed simply by loosening set screw in the hub assembly. A double flat on the shaft permits two knob positions.

On the VT5, VT10 and VT25 types, the adjustable shaft features permits table or panel use. "Ganged" or tandem VT5, VT10 and VT25 units employ a thru-shaft offering the same flexibility. On VT5 and VT10 units, shafts are fixed in the desired position by means of socket head screws located in the hub of each "brush-radiator" plate. The VT25 employs a unique collet-type shaft lock.

INTERCHANGEABLE WITH OTHER POPULAR TYPES: Basic "v.t." units have mounting provisions which match those of virtually all popular transformers of comparable current rating. Models VT5, VT10 and VT25 mount by means of bolts. Normally 3-hole mounting, single VT5 units can be "4-hole mounted" by means of adapter plate. Individual Model VT1, VT02, VT2LN, or VT3 units mount by means of a standard $\frac{3}{8}$ -32 threaded bushing. All tandem assemblies mount by means of bolts or nuts. Knobs and Dials sold separately.

DIRECT READING, TWO SCALE DIAL . . . calibrated on one side for over-voltage connection; on the reverse side for line voltage connection. Dials read clockwise for increasing voltage; counter-clockwise calibration available.

WIRING AND CONNECTIONS: Wiring instructions to arrange various modes of operation are enclosed with all OHMITE variable transformers. Terminal panels or adjacent nameplate carry convenient wiring diagram, coded terminals and input and output data. Three way terminals on VT1, VT2LN, VT02, VT3 will accept $\frac{1}{4}$ " push-on connectors, screws and nuts, or conventional soldering.

ROTATION OPTION: On VT4, VT5, VT8, VT10, VT20 and VT25 transformers connected for overvoltage, either clockwise or counter-clockwise increase of voltage can be arranged easily by the user. Increasing voltage in either direction can be arranged on all units connected for no-overvoltage output. Dials for counter-clockwise operation are stocked. See "Accessories."

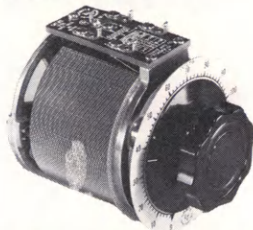
OVERVOLTAGE OPTION: On all transformers with overvoltage feature, no-overvoltage operation can be arranged on the terminal panel.

NO-OVERVOLTAGE TRANSFORMERS ("N" suffix): Provide considerably more current due to heavier gage winding.

240-VOLT INPUT ("H" suffix): On units which are wound for 240-volt input, a 120 volt input tap is also provided. With the use of this input, the maximum current rating applies up to 120 volts output but beyond this reduces proportionately to approximately 50% at maximum voltage output.

LOW VOLTAGE INPUT ("L" feature): Designed for a maximum input of approximately 40 volts, with high current output.

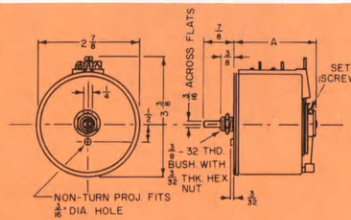
GROUNDING INPUT & OUTPUT ("C" feature): Units in type F or G cases can be provided with a three-conductor cord and outlet. One conductor is grounded to the case. This feature is standard on the VT5F, VT10F, VT10G, VT25F, VT25G and all metered units.



VT5 SERIES, SINGLE, UNCASD

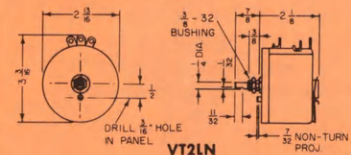
Angle of rotation: $324^\circ \pm 5^\circ$

Dimensions for VT1, VT02, VT3, VT1N, VT02N, VT3N



"A" DIMENSION

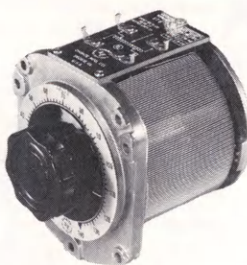
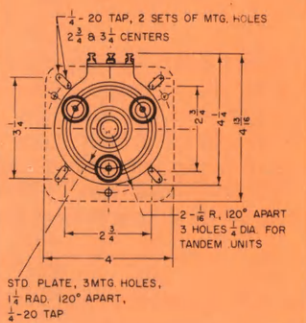
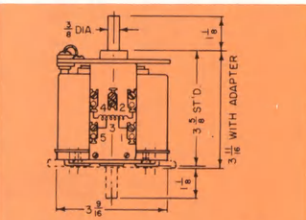
VT1, VT1N $1\frac{1}{4}$ "
VT02, VT02N $2\frac{1}{4}$ "
VT3, VT3N $2\frac{1}{4}$ "
U.S. Patent Nos. 3,316,517,
3,436,709, and 3,497,847.



VT2LN
U.S. Patent Nos. 2,790,882
2,985,857

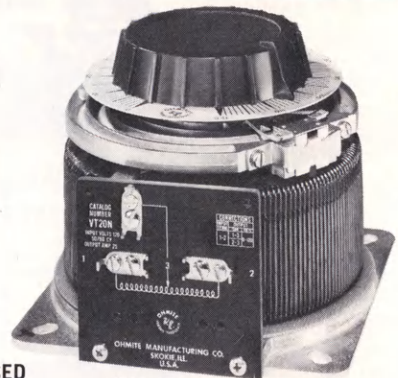


Dimensions for VT5



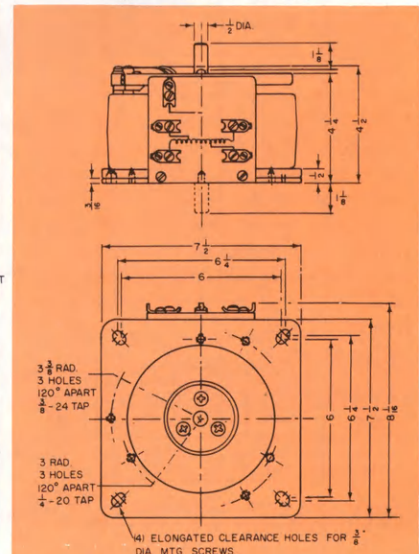
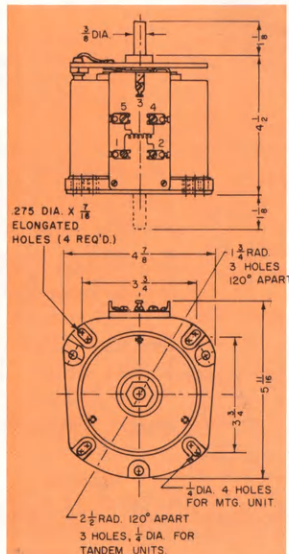
VT10 SERIES, SINGLE, UNCASD

Angle of rotation: $324^\circ \pm 5^\circ$



VT25 SERIES, UNCASD

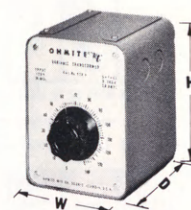
Angle of rotation: $317^\circ \pm 5^\circ$



Catalog No. ^a	Input Volts	Min. Freq. (Hz)	Output					Dimensions (Inches)	Description	Optional Features/Enclosures	Wt. (lbs.)
			Volts	Amps	W	D	H				
VT1 CSA	120	50 60	0-120 0-132	1.3	2 $\frac{1}{2}$	1 $\frac{13}{16}$	3 $\frac{3}{8}$		Basic Uncased 1.3A Model. Overvoltage Feature.	Type E Fixed Mtg. Enclosure. Cat. No. 6507 — Replacement Brush Contact Assy. Cat. No. 5116 — Extra Knob. Cat. No. 5005 — Dial/Clockwise	1.5
VT1F	120	60 ^a	0-132 ²	1.0	3 $\frac{3}{8}$	3 $\frac{11}{16}$	4 $\frac{1}{4}$		Portable Unit, with Line Cord, Outlet, and Fuse. Overvoltage Feature.		2.3
VT1N CSA	120	60	0-120	1.5	2 $\frac{1}{2}$	1 $\frac{1}{16}$	3 $\frac{3}{8}$		Basic Uncased Model. No Overvoltage Feature.	Type E Fixed Mtg. Enclosure. Cat. No. 6507 — Replacement Brush Contact Assy. Cat. No. 5116 — Extra Knob. Cat. No. 5005 — Dial/Clockwise	1.5
VT1NF	120	60	0-120	1.2	3 $\frac{3}{8}$	3 $\frac{11}{16}$	4 $\frac{1}{4}$		Portable Unit with Line Cord, Outlet, and Fuse. No Overvoltage Feature.		2.3
VT2 CSA	120	50 60	0-120 0-132	2.0	2 $\frac{1}{2}$	2 $\frac{1}{16}$	3 $\frac{3}{8}$		Basic Uncased 2.0A Model. Overvoltage Feature.	Type E Fixed Mtg. Enclosure. Cat. No. 6507 — Replacement Brush Contact Assy. Cat. No. 5116 — Extra Knob. Cat. No. 5005 — Dial/Clockwise.	2.25
VT2F	120	60 ^a	0-132 ²	1.75	3 $\frac{3}{8}$	3 $\frac{11}{16}$	4 $\frac{1}{4}$		Portable Unit with Line Cord, Outlet, and Fuse. Overvoltage Feature.		3.2
VT2N CSA	120	60	0-120	2.5	2 $\frac{1}{2}$	2 $\frac{1}{16}$	3 $\frac{3}{8}$		Basic Uncased Model. No Overvoltage Feature	Type E Fixed Mtg. Enclosure. Cat. No. 6507 — Replacement Brush Contact Assy. Cat. No. 5116 — Extra Knob. Cat. No. 5005 — Dial/Clockwise	2.25
VT2NF	120	60	0-120	2.0	3 $\frac{3}{8}$	3 $\frac{11}{16}$	4 $\frac{1}{4}$		Portable Unit with Line Cord, Outlet, and Fuse. No Overvoltage Feature.		3.2
VT2LN	40	50	0-40	5.0	2 $\frac{13}{16}$	2 $\frac{1}{8}$	3 $\frac{3}{16}$		Basic Uncased Model. Hi Amps, Low Voltage.	Cat. No. 6517 — Replacement Brush Contact Assy. Cat. No. 5116 — Extra Knob.	2.4
VT3 CSA	120	50 60	0-120 0-132	3.0	2 $\frac{1}{2}$	2 $\frac{13}{16}$	3 $\frac{3}{8}$		Basic Uncased 3.0A Model. Overvoltage Feature.	Cat. No. 6507 — Replacement Brush Contact Assy. Cat. No. 5116 — Extra Knob. Cat. No. 5005 — Dial/Clockwise	3.0
VT3F	120	60	0-132	2.4	4 $\frac{1}{2}$	4 $\frac{1}{2}$	6 $\frac{1}{4}$		Portable Unit with Line Cord, Outlet, and Fuse. Overvoltage Feature. Pilot Light.		5.75
VT3N CSA	120	60	0-120	3.3	2 $\frac{1}{2}$	2 $\frac{13}{16}$	3 $\frac{3}{8}$		Basic Uncased Model. Overvoltage Feature	Cat. No. 6507 — Replacement Brush Contact Assy. Cat. No. 5116 — Extra Knob. Cat. No. 5005 — Dial/Clockwise	3.0
VT4LN	40	50	0-40	12.0	3 $\frac{9}{16}$	3 $\frac{3}{8}$	4 $\frac{1}{4}$		Basic Uncased Model. Hi Amps, Low Voltage.	Cat. No. 6518 — Replacement Brush Contact Assy. Cat. No. 5155 — Extra Knob.	5.25
VT5^b U.L. CSA	120	50 60	0-120 0-140	4.75	3 $\frac{9}{16}$	3 $\frac{3}{8}$	4 $\frac{1}{4}$		Basic Uncased 4.75A Model. Overvoltage Feature.	Type E Fixed Mtg. Enclosure. Cat. No. 6512 — 4-hole Mtg. Adapter Plate. Cat. No. 6515 — Replacement Brush Contact Assy. Cat. No. 6536 — Adjustable Stop. Cat. No. 6509 — Fuse Link. Cat. No. 5155 — Extra Knob. Cat. No. 5006 — Dial/Clockwise. Cat. No. 5008 — Dial/Counterclockwise.	5.25
VT5F	120	60 ^a	0-140 ²	4.75	4 $\frac{7}{8}$	4 $\frac{1}{2}$	6 $\frac{1}{4}$		Portable Unit with Line Cord, Outlet, and Fuse. Overvoltage Feature.		7.8
VT8LN	40	50	0-40	22.0	4 $\frac{7}{8}$	4 $\frac{1}{2}$	5 $\frac{11}{16}$		Basic Uncased Model. Hi Amps, Low Voltage.	Cat. No. 6519 — Replacement Brush Contact Assy.	10.25
VT10^c U.L. CSA	120	50 60	0-120 0-140	10.0	4 $\frac{7}{8}$	4 $\frac{1}{2}$	5 $\frac{11}{16}$		Basic Uncased 10.0A Model. Overvoltage Feature.	Type E Fixed Mtg. Enclosure. Cat. No. 5006 — Dial/Clockwise. Cat. No. 5008 — Dial/Counterclockwise. Cat. No. 6515 — Replacement Brush Contact Assy. Cat. No. 6537 — Adjustable Stop. Cat. No. 5155 — Extra Knob.	10.25
VT10F	120	60 ^a	0-140 ²	10.0	5 $\frac{17}{32}$	5 $\frac{1}{4}$	7 $\frac{3}{8}$		Portable Unit with Line Cord, Outlet, and Fuse. Overvoltage Feature.	VT10G is available with meters	13.8



VT02F



NOTE 1: Two-in-Tandem Assemblies, Three Phase and Three-in-Tandem Assemblies are available with many different features and connections. Please contact factory.

NOTE 2: The U.L. (File E10946) and CSA (File 21309) listed Variable Transformers shown in the above table represent only a partial listing. Please contact factory.

Footnotes for Stock Table.

¹VT10H and VT25H also have taps for 120V input with 280V output. With use of 120V input the maximum current rating applies up to 120V output but reduces to approximately 50% at maximum output voltage.

²Connected at factory for overvoltage output — easily reconnected by user for no-overvoltage output.

³May be used at 50Hz if connected for no-overvoltage output.

⁴The basic unenclosed VT4 and VT4N have been replaced as stock items by the VT5 — which is completely interchangeable and combines the capabilities of the other two except where overvoltage output at 50Hz is required; in this case the VT4 must be used.

⁵The basic unenclosed VT8 and VT8N have been replaced as stock items by the VT10 — which is completely interchangeable and combines the capabilities of the other two except where overvoltage output at 50Hz is required; in this case the VT8 must be used.

⁶The basic unenclosed VT20 and VT20N have been replaced as stock items by the VT25 — which is completely interchangeable and combines the capabilities of the other two except where overvoltage output at 50Hz is required; in this case the VT20 must be used.

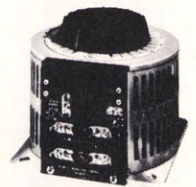
⁷Popular items appear in BOLD print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in LIGHT FACE print are available from stocking distributors but are not normally stocked in depth.

⁸The basic unenclosed VT8H and VT8HN have been replaced as stock items by the VT10H. This unit is electrically and mechanically interchangeable with the VT8H and VT8HN for 60Hz application.

¹⁰The basic unenclosed VT20H and VT20HN have been replaced as stock items by the VT25H. This unit is electrically and mechanically interchangeable with the VT20H and VT20HN for 60Hz application.

Catalog No.	Input Volts	Min. Freq. (Hz)*	Output		Dimensions (Inches)			Description	Optional Features/Enclosures	Wt. (lbs.)
			Volts	Amps	W	D	H			
VT10G	120	50 60	0-120 0-140	8.0	5 ¹ / ₁₆	5 ¹ / ₄	7 ³ / ₈	Deluxe Portable Enclosure with 3-Position Switch to Select Nominal, 'Overvoltage' or 'Off.' Has Line Cord, Outlet, Circuit Breaker, and Adjustable Handle.	Type GV = Voltmeter. Type GVA = Voltmeter and Ammeter. Type GVW = Voltmeter and Wattmeter.	14.2
VT10H	240 ¹	50 60	0-240 0-280	4.0	4 ⁷ / ₈	4 ¹ / ₂	5 ¹¹ / ₁₆	Basic Uncased Model. Overvoltage Feature. 240V Input with 120V Tap.	Cat. No. 6516H — Replacement Brush Contact Assy. Cat. No. 5009 — Dial/Clockwise. Cat. No. 5010 — Dial/Counterclockwise.	10.25
VT25² U.L.	120	50 60	0-120 0-140	25.0	7 ¹ / ₂	4 ¹ / ₂	8 ¹ / ₁₆	Basic Uncased 25A Model. Overvoltage Feature.	Type E Fixed Mtg. Enclosure. Cat. No. 6594 — Brush Contact Assy. Cat. No. 6538 — Adjustable Stop. Cat. No. 6535 — Fuse Link. Cat. No. 5157 — Extra Knob. Cat. No. 5013 — Dial/Clockwise. Cat. No. 5014 — Dual/Counterclockwise.	22.0
VT25B	120	50 60	0-120 0-140	25.0	7 ¹ / ₂	8 ¹ / ₈	4 ⁷ / ₈	Protective Enclosure with Basic Transformer's Base and Terminal Panel Exposed. Overvoltage Feature.		22.5
VT25H	240 ¹	50 60	0-240 0-280	11.0	7 ¹ / ₂	4 ¹ / ₂	8 ¹ / ₁₆	Basic Uncased Model. Overvoltage Feature. 240V Input with 120V Tap.	Type E Fixed Mtg. Enclosure. Type F Portable Unit with Line Cord, Outlet, and Fuse. Cat. No. 6596 — Replacement Brush Contact Assy. Cat. No. 6538 — Adjustable Stop. Cat. No. 5157 — Extra Knob. Cat. No. 5015 — Dial/Clockwise. Cat. No. 5016 — Dial/Counterclockwise.	22.0
VT25HB	240 ¹	50 60	0-240 0-280	11.0	7 ¹ / ₂	8 ¹ / ₈	4 ⁷ / ₈	Protective Enclosure with Basic Transformer's Base and Terminal Board exposed. Overvoltage Feature. 240V Input with 120V Tap.	Cat. No. 6538 — Adjustable Stop. Cat. No. 5157 — Extra Knob.	21.5
VT25G	120	50 60	0-120 0-140	20.0	7 ³ / ₄	5 ¹ / ₂	11 ¹ / ₄	Deluxe Portable Enclosure with 3-Position Switch to Select Nominal, 'Overvoltage,' or 'Off.' Has Line Cord, Outlet, Circuit Breaker, and Adjustable Handle.	Type GV = Voltmeter. Type GVA = Voltmeter and Ammeter. Type GVW = Voltmeter and Wattmeter	31.0
VT25F	120	50 60	0-120 0-140	25.0	8 ¹ / ₄	5 ¹ / ₂	11 ¹ / ₄	Portable Unit with Line Cord, Outlet, and Fuse. Overvoltage Feature.	Type FV = Voltmeter. Type FVA = Voltmeter and Ammeter. Type FVW = Voltmeter and Wattmeter.	31.0

*Units may be used up to 1000 Hz. PAGE 36



VT25B

Catalog No.	Input Volts	Min. Freq. (Hz)*	Output		Dimensions (Inches)			Description	Optional Features/Enclosures	Wt. (lbs.)
			Volts	Amps	W	D	H			
(VT4 ³) U.L. CSA	120	50	0-120 0-140	3.5	3 ⁹ / ₁₆	3 ³ / ₈	4 ¹ / ₄	Basic Uncased 3.5A Model. Overvoltage Feature.	For Optional Features, Enclosures, and Tandem Units, Consult Factory.	5.25
(VT8 ⁴) U.L. CSA	120	50	0-120 0-140	7.5	4 ⁷ / ₈	4 ¹ / ₂	5 ¹¹ / ₁₆	Basic Uncased 7.5A Model. Overvoltage Feature.	For Optional Features, Enclosures, and Tandem Units, Consult Factory.	10.25
(VT20 ⁵) U.L.	120	50	0-120 0-140	20.0	7 ¹ / ₂	4 ¹ / ₂	8 ¹ / ₁₆	Basic Uncased 20.0A Model. Overvoltage Feature.	For Optional Features, Enclosures, and Tandem Units, Consult Factory.	22

* Units may be used up to 1000 Hz.

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See page 39 for cross-reference chart to other manufacturers' types.



VT3F
VT5F



VT10F



VT25F

CONSERVES SPACE & POWER
SMALLEST 1 & 2 KW CONTROL
AC & DC OUTPUT TYPES
BUILT-IN ON-OFF SWITCH
ADJUSTABLE CONTROL RANGE
CHOICE OF COMPONENT & PORTABLE STYLES
LONG LIFE

Now, for the first time, a Solid State Power Control is available which is adaptable to a wide variety of applications by a simple turn of a screwdriver!

An internal trimmer allows the starting point of the control voltage of the Ohmitrol to be set anywhere within the stated trimmer voltage range. (This adjustment can be preset at the factory at small additional cost).

From the starting point to full line voltage, infinitely smooth control is obtained by means of the control knob. An "on-off" line switch actuated at the counterclockwise end of the control knob rotator is provided on all models.

Ohmite solid state power controls are the smallest 1 or 2 KW controls available and offer the advantages not only of convenient size, but also of power savings, long life and low initial cost.

Two styles are available: the component style for panel mounting in equipment, and the lightweight, self-contained portable style. Portable units are completely self contained with grounded line cord and standard grounded AC receptacle.

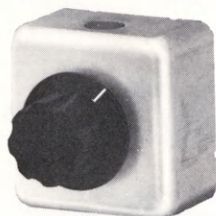
Ohmitrol Controls are available with AC output and with two DC output delivered simultaneously. One output is rectified DC, at approximately full line voltage; the other is the variable or controlled DC. This double output is useful, for example, for controlling shunt wound motors. Terminals at the rear of the controls accept quick-connectors.

MODEL PCA: AC Output

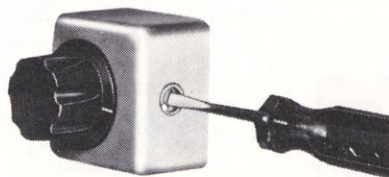
Shaded pole motors
 Permanent split capacitor motors
 Universal motors
 Heaters—both resistive and infra-red

MODEL PCD: DC Output

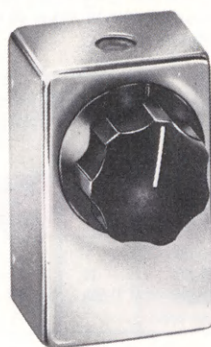
Shunt wound motors
 Series wound motors
 Permanent magnet motors
 Magnetic clutches and brakes



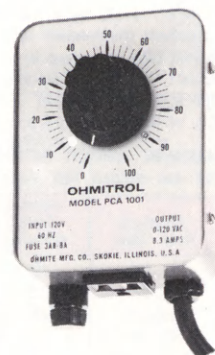
Component Style*
PCA series



Adjustment of the integral trimmer sets the starting point of the control voltage within the stated trimmer voltage adjust range.



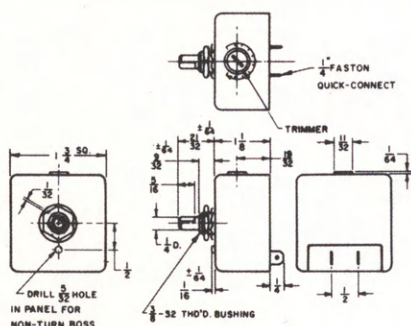
Component Style
PCD series



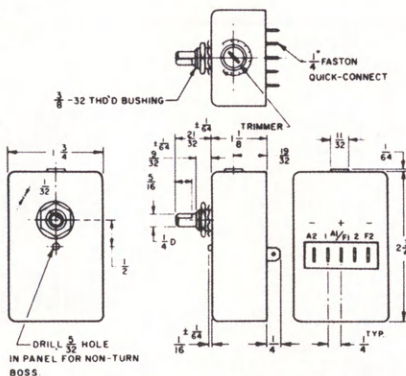
Portable Style
PCA and PCD series

Available by special order

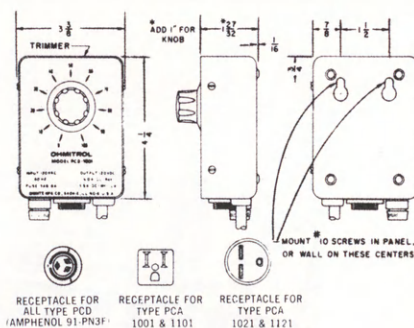
* Knob not included. Ohmite P/N 5150 recommended.



Model PCA-Component Style



model PCD-component style¹



Models PCA and PCD-Portable

Catalog No. Component Style	Input Volts	Freq.	Output Range (Nominal)	Load Capacity Rating (Maximum)	Trimmer Range (Minimum)
PCA-1000	120 VAC	60 Hz	0-120 VAC	1 KW, 8.3 Amps AC	0-50 Volts
PCA-1050				15 Amps AC	
PCA-1100				1 KW, 8.3 Amps AC	
PCA-1020	240 VAC	60 Hz	0-240 VAC	2 KW, 8.3 Amps AC	0-100 Volts
PCA-1120		50 Hz			
PCD-1000	120 VAC	60 Hz	0-120 VDC and Full 120 VDC	6.0 Amp DC — Resistive 3.5 Amp DC — Motor Load	20-40 Volts
PCD-1100		50 Hz			
PCD-1020	240 VAC	60 Hz	0-240 VDC and Full 240 VDC		40-80 Volts
PCD-1120		50 Hz			

¹Caution: The armature current must be greater than 500 MA for proper operation.

Items appearing in BOLD print are popular values and are usually stocked by authorized OHMITE distributors. Items appearing in LIGHT FACE print are available from stocking distributors but normally are not stocked in depth.

0.1% precision Determ-Ohm® resistance box

The Ohmite Precision Determ-ohm® is a resistance decade box with an accuracy of $\pm 0.1\%$. Four models cover the resistance range from 1 ohm to 1 megohm in a choice of three-4 decade and one-6 decade models.

Simplified selection of resistance values is accomplished by operation of thumbwheel switches. Resistance setting is indicated by a direct inline numeric readout. Unique switch feature allows advancing or decreasing of values directly from 9 thru 0 to 1 or vice versa, without retracing all the other values.

The housing is a functional panel metal case equipped with universal binding posts and a grounded metallic binding post for effective shielding.

SPECIFICATIONS:

Accuracy: 0.1% (plus .01 Ω max. contact and circuit resistance per decade).

Selection: thumbwheel switches, continuous rotation in either direction.

Switch Life: In excess of 50,000 operations.

Power: 1/4 Watt per resistor.

Operating Temperature: + 15 to + 35°C.

T.C. of Resistors: ± 10 ppm/°C. max. 20 ppm/°C.

MAXIMUM CURRENT RATINGS

(Do not exceed 500 Volts.)

SELECTION

Resistance Range (Ohms)	Maximum Current (Milliamps)	Resistance Range (Ohms)	Ohms Per Step	Number of Decades	Catalog Number ¹
1-9	710	0 to 9.999K	1	4	3405
10-99	220	0 to 99.99K	10	4	3406
100-999	71	0 to 999.9K	100	4	3407
1000-9999	22	0 to 999.999K	1	6	3410
10,000-99,999	7.1				
100,000-999,999	1.1				

¹ Popular items appear in **BOLD** print and are usually in stock at authorized Ohmite stocking distributors. Items appearing in **LIGHT FACE** print are available from stocking distributors but are not normally stocked in depth. Parentheses indicate non-stock standard items subject to a minimum handling charge per item.

OHM-RANGER™



economical, portable resistance selector

- Over 11 million ohms in one-ohm increments
- 1% accuracy*
- Easy slide switch operation
- Handy slimline size
- Rugged metal construction

1 to 11,111,110 ohms, in one-ohm steps—with accuracy assured by half-watt 1% tolerance resistors! Has three binding posts, one to ground case. Small enough to take anywhere in your pocket, the handy easy-to-use OHM-RANGER is ideal for lab use, schools and service technicians. Dimensions 4"x6"x1".

*10 ohms and above

Catalog No. 3420

CAP-RANGER™



capacitance selection simplified

100 picofarads to 11.111 microfarads in 100 picofarad steps with $\pm 2\%$ accuracy. Three binding posts, one to ground the metal case. Compact size. Big performance. Simple operation. Solves your troubleshooting, breadboarding and circuit design problems using simple sliding switches.

Catalog No. 3430

variable transformer cross reference

SINGLE VARIABLE TRANSFORMERS

This cross reference deals with Ohmite's OHMITRAN VT'S (Variable transformers) and the comparable units produced by other manufacturers.

Ohmite OHMITRAN Vt®	Superior "Powerstat"	Staco "Adjust-A-Volt"	General Radio "Variac"	General Electric "Volt-Pac"
VT02 VT02F VT4 VT5 VT8	10B 2PF10 21" 21" 116BU, Q116U	171, 201 2PF171 371, 501 371, 501 1010	U2 — W2" W2" W5, W8	9T92Y1 — 9T92Y5 9T92Y5 9T92Y7, 9T92Y9
VT8F VT8H VT8N VT10 VT10F	116B 216BU, Q216U 117BU, Q117U 116BU, Q116U 3PN116B	2PF1010 1020 1210 1010 3PN1010	W5MT W5H, W10H W5L, W8L W5, W8 —	— 9T92Y13 — 9T92Y7, 9T92Y9 —
VT10H VT20 VT20H VT25 VT25F	217BU, Q217U 136BU 236BU 136BU 2PF136B	1020 2510 2520 2510 3PN2210	W5H, W10H W20 W20H W20 —	9T92Y13 9T92Y28 9T92Y30 9T92Y28 9T92Y89

1. Equivalent Ohmite transformer must be used with adapter plate, stock no. 6512 to provide identical mounting dimensions.

NOTE: Due to lack of industry standards, cross referenced part numbers of all manufacturers may not agree in every detail. Consult factory for specific criteria.

relay cross-reference

This cross reference deals with Ohmite's Model GPR (general purpose relays) and the equivalents produced by other manufacturers.

Ohmite	P & B	Magnacraft	Ohmite	P & B	Magnacraft	Ohmite	P & B	Magnacraft	Ohmite	P & B	Magnacraft
GPRX-203T	KA5AY-6V	W588AX-1	GPRTPX-203T	KRP5A-6V	W588ACPX-1	GPRX-203T	KA5AG-6V	W588AX-13	GPRTPX-203T	KRP5AG-6V	W588ACPX-13
GPRX-206T	KA11AY-6V	W588AX-5	GPRTPX-206T	KRP11A-6V	W588ACPX-5	GPRX-206T	KA11AG-6V	W588AX-17	GPRTPX-206T	KRP11AG-6V	W588ACPX-17
GPRX-209T	KA14AY-6V	W588AX-9	GPRTPX-209T	KRP14A-6V	W588ACPX-9	GPRX-209T	KA14AG-6V	W588AX-21	GPRTPX-209T	KRP14AG-6V	W588ACPX-21
GPRX-212T	—	W588AX-2	GPRTPX-212T	—	W588ACPX-2	GPRX-212T	KA5AG-12V	W588AX-14	GPRTPX-212T	KRP5AG-12V	W588ACPX-14
GPRX-215T	KA11AY-12V	W588AX-6	GPRTPX-215T	KRP11A-12V	W588ACPX-6	GPRX-215T	KA11AG-12V	W588AX-18	GPRTPX-215T	KRP11AG-12V	W588ACPX-18
GPRX-218T	KA14AY-12V	W588AX-10	GPRTPX-218T	KRP14A-12V	W588ACPX-10	GPRX-218T	KA14AG-12V	W588AX-22	GPRTPX-218T	KRP14AG-12V	W588ACPX-22
GPRX-221T	—	W588AX-3	GPRTPX-221T	—	W588ACPX-3	GPRX-221T	KA5AG-24V	W588AX-15	GPRTPX-221T	KRP5AG-24V	W588ACPX-15
GPRX-224T	KA11AY-24V	W588AX-7	GPRTPX-224T	KRP11A-24V	W588ACPX-7	GPRX-224T	KA11AG-24V	W588AX-19	GPRTPX-224T	KRP11AG-24V	W588ACPX-19
GPRX-227T	KA14AY-24V	W588AX-11	GPRTPX-227T	KRP14A-24V	W588ACPX-11	GPRX-227T	KA14AG-24V	W588AX-23	GPRTPX-227T	KRP14AG-24V	W588ACPX-23
GPRX-230T	KA5AY-115V	W588AX-4	GPRTPX-230T	KRP5A-115V	W588ACPX-4	GPRX-230T	KA5AG-115V	W588AX-16	GPRTPX-230T	KRP5AG-115V	W588ACPX-16
GPRX-233T	KA11AY-115V	W588AX-8	GPRTPX-233T	KRP11A-115V	W588ACPX-8	GPRX-233T	KA11AG-115V	W588AX-20	GPRTPX-233T	KRP11AG-115V	W588ACPX-20
GPRX-236T	KA14AY-115V	W588AX-12	GPRTPX-236T	KRP14A-115V	W588ACPX-12	GPRX-236T	KA14AG-115V	W588AX-24	GPRTPX-236T	KRP14AG-115V	W588ACPX-24
GPRX-239T	KA5AY-230V	—	GPRTPX-239T	KRP5A-230V	—	GPRX-239T	KA5AG-230V	—	GPRTPX-239T	KRP5AG-230V	—
GPRX-242T	KA11AY-230V	—	GPRTPX-242T	KRP11A-230V	—	GPRX-242T	KA11AG-230V	—	GPRTPX-242T	KRP11AG-230V	—
GPRX-245T	KA14AY-230V	—	GPRTPX-245T	KRP14A-230V	—	GPRX-245T	KA14AG-230V	—	GPRTPX-245T	KRP14AG-230V	—
GPRX-248T	KA5D-6V	W588X-1	GPRTPX-248T	KRP5D-6V	W588CPX-1	GPRX-248T	—	W588X-13	GPRTPX-248T	KRP5DG-6V	W588CPX-13
GPRX-251T	KA11D-6V	W588X-5	GPRTPX-251T	KRP11D-6V	W588CPX-5	GPRX-251T	—	W588X-17	GPRTPX-251T	KRP11DG-6V	W588CPX-17
GPRX-254T	KA14D-6V	W588X-9	GPRTPX-254T	KRP14D-6V	W588CPX-9	GPRX-254T	—	W588X-21	GPRTPX-254T	KRP14DG-6V	W588CPX-21
GPRX-257T	—	W588X-2	GPRTPX-257T	—	W588CPX-2	GPRX-257T	—	W588X-14	GPRTPX-257T	KRP5DG-12V	W588CPX-14
GPRX-260T	KA11D-12V	W588X-6	GPRTPX-260T	KRP11D-12V	W588CPX-6	GPRX-260T	—	W588X-18	GPRTPX-260T	KRP11DG-12V	W588CPX-18
GPRX-263T	KA14D-12V	W588X-10	GPRTPX-263T	KRP14D-12V	W588CPX-10	GPRX-263T	—	W588X-22	GPRTPX-263T	KRP14DG-12V	W588CPX-22
GPRX-266T	KA5D-24V	W588X-3	GPRTPX-266T	KRP5D-24V	W588CPX-3	GPRX-266T	—	W588X-15	GPRTPX-266T	KRP5DG-24V	W588CPX-15
GPRX-269T	KA11D-24V	W588X-7	GPRTPX-269T	KRP11D-24V	W588CPX-7	GPRX-269T	—	W588X-19	GPRTPX-269T	KRP11DG-24V	W588CPX-19
GPRX-272T	KA14D-24V	W588X-11	GPRTPX-272T	KRP14D-24V	W588CPX-11	GPRX-272T	—	W588X-23	GPRTPX-272T	KRP14DG-24V	W588CPX-23
GPRX-275T	KA5D-110V	W588X-4	GPRTPX-275T	KRP5D-110V	W588CPX-4	GPRX-275T	—	W588X-16	GPRTPX-275T	KRP5DG-110V	W588CPX-16
GPRX-278T	KA11D-110V	W588X-8	GPRTPX-278T	KRP11D-110V	W588CPX-8	GPRX-278T	—	W588X-20	GPRTPX-278T	KRP11DG-110V	W588CPX-20
GPRX-281T	KA14D-110V	W588X-12	GPRTPX-281T	KRP14D-110V	W588CPX-12	GPRX-281T	—	W588X-24	GPRTPX-281T	KRP14DG-110V	W588CPX-24
			GPRTPX-282T	KCP5-7.2MA	—				GPRTPX-282T	KRP11AN-6V	—
			GPRTPX-83T	KCP11-10MA	—				GPRTPX-292T	KRP11AN-12V	—
			GPRTPX-84T	KCP14-12.3MA	—				GPRTPX-293T	KRP11AN-24V	—
			GPRTPX-85T	KCP5-5MA	—				GPRTPX-294T	KRP11AN-115V	—
			GPRTPX-86T	KCP11-7.2MA	—				GPRTPX-295T	KRP11AN-230V	—
			GPRTPX-87T	KCP14-8.7MA	—				GPRTPX-296T	KRP11DN-6V	—
			GPRTPX-88T	KCP5-3.6MA	—				GPRTPX-297T	KRP11DN-12V	—
			GPRTPX-89T	KCP11-5MA	—				GPRTPX-298T	KRP11DN-24V	—
			GPRTPX-90T	KCP14-6.1MA	—				GPRTPX-299T	KRP11DN-110V	—

OHMITE SALES OFFICES AND REPRESENTATIVES

STATE AND CITY	NAME	ADDRESS	ZIP	TELEPHONE
ALABAMA Huntsville	Electronic Mfgs. Agts.	2309 Starmont Circle, S.W.	35801	205/ 533-6640
ALASKA Anchorage	Harry J. Lang Assoc.	1371 Hillcrest Dr. No. 303	99503	907/ 279-5741
ARIZONA Phoenix	Stitzer Dodd, Inc.	8925 N. Central Suite F	85020	602/ 944-2237
CALIFORNIA Palo Alto	Ohmite Mfg. Co.	999 Commercial St. S-2	94303	415/ 494-6954
Los Angeles	The Wiley Co.	1632 Silverlake Blvd.	90026	213/ 663-8028
San Diego	The Wiley Co.	10150 Sorrento Valley Rd. No. 219	92121	714/ 571-2881
COLORADO Littleton	Simpson Assoc., Inc.	2552 Ridge Rd.	80120	303/ 794-8381
FLORIDA Ft. Lauderdale	Cartwright & Bean	4000 N. State Rd. 7 S-411	33319	305/ 735-4900
Orlando	Cartwright & Bean	200 E. Marks St.	32803	305/ 422-4531
GEORGIA Norcross	Electronic Mfgs. Agts.	6445 Hillandale Dr.	30092	404/ 449-9430
ILLINOIS Skokie	Ohmite Mfg. Co.	3601 Howard St.	60076	312/ 675-2600
IOWA Cedar Rapids	Cahill, Schmitz & Cahill	208 Collins Rd. N.E. S-"K"	52402	319/ 377-8219
KANSAS Shawnee Mission	K & M Sales Co.	5460 Buena Vista Dr. S-200	66205	913/ 262-1444
LOUISIANA Metairie	Cartwright & Bean	2121 Causeway Blvd S-126	70001	504/ 835-6220
MASSACHUSETTS Needham Heights	Coakley Boyd & Abbett	687 Highland Ave.	02194	617/ 444-5470
MICHIGAN Birmingham	Ohmite Mfg. Co.	725 S. Adams, Room L-8	48011	313/ 642-6040
MINNESOTA St. Paul	Cahill, Schmitz, & Cahill	315 N. Pierce St.	55104	612/ 646-7217
MISSISSIPPI Jackson	Cartwright & Bean	5150 Keele St.	39206	601/ 981-1368
MISSOURI St. Louis	K & M Sales	4969 Bancroft	63109	314/ 423-2420
NEW JERSEY River Edge	Ohmite Mfg. Co.	P.O. Box 215-NH	07661	201/ 488-3690
Pennsauken	Ohmite Mfg. Co.	5900 Westfield Ave.	08110	609/ 663-1703
NEW YORK Rochester	Electra Sales Corp.	100 Whitespruce Blvd.	14623	716/ 461-1590
Syracuse	Electra Sales Corp.	6493 Ridings Rd.	13206	315/ 463-1248
NORTH CAROLINA Charlotte	Polytech Services	916 East Blvd.P.O.Box 3841	28203	704/ 372-4161
OHIO Cleveland	Ohmite Mfg. Co.	25000 Euclid Ave. R-303	44117	216/ 261-6000
Dayton	Ohmite Mfg. Co.	1700 Needmore Rd. S-101	45414	513/ 277-6543
OREGON Hillsboro	Western Tech. Sales Inc.	2271 N.E. Cornell Rd.	97123	503/ 640-4621
PENNSYLVANIA Monroeville	Ohmite Mfg. Co.	716 Cottonwood Dr.	15146	412/ 373-2695
TENNESSEE Memphis	Cartwright & Bean	560 S. Cooper	38104	901/ 276-4442
TEXAS Austin	Erickson Sales Inc.	2525 Wallingwood Dr. S-107	78746	512/ 327-5486
Dallas	Erickson Sales Inc.	8350 Meadow Rd. S-184	75231	214/ 739-5833
Houston	Erickson Sales Inc.	6833 S. Gessner S-665	77036	713/ 498-2959
UTAH Midvale	Simpson Assoc., Inc.	7324 So. 1300 East S-350	84047	801/ 566-3691
WASHINGTON Bellevue	Western Tech. Sales	13400 Northrup Way S-14	98005	206/ 641-3900

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TELEPH. 312/ 675-2600, TWX 910-223-0805, TELEX 72-4433